

FIG. 1

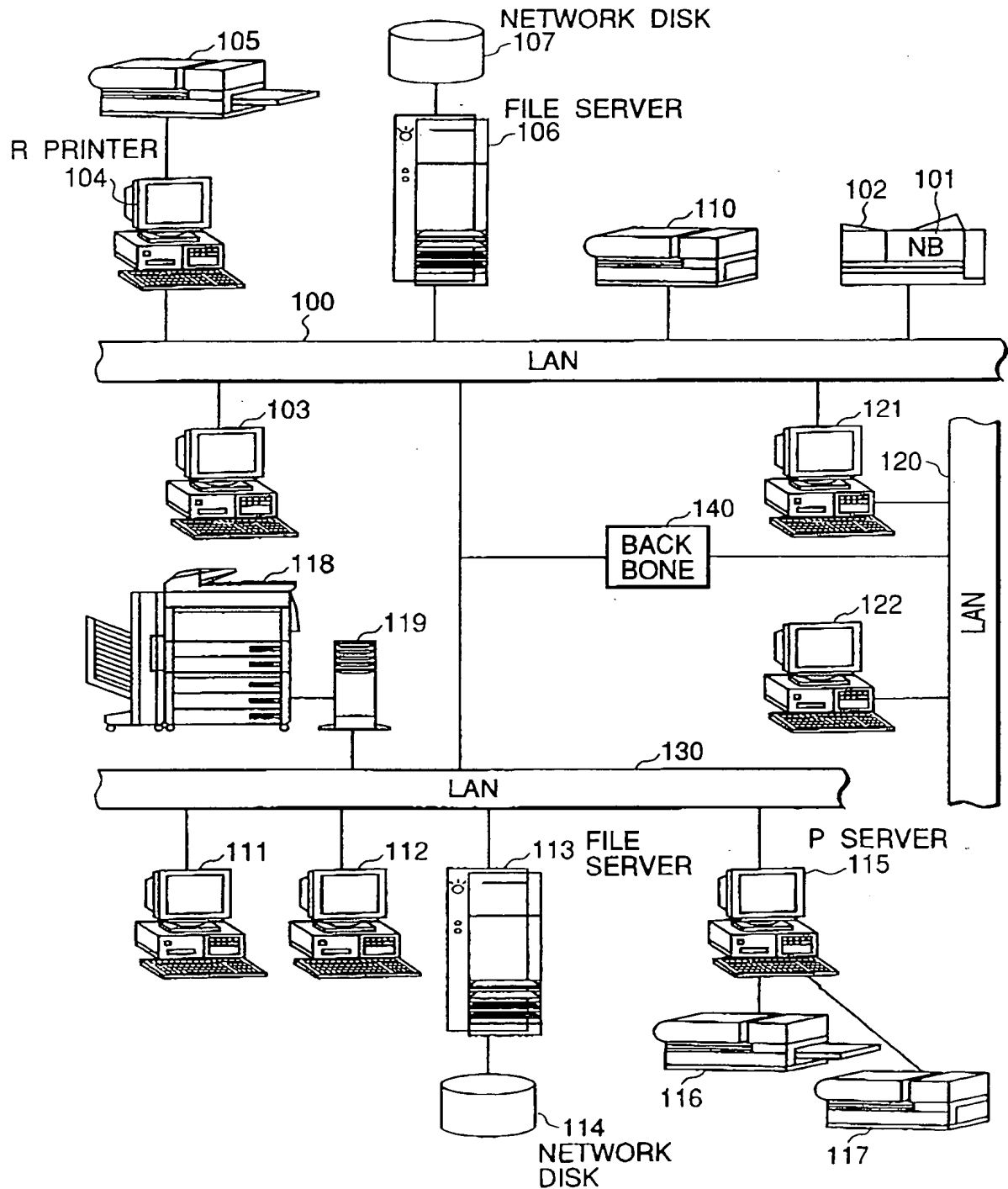


FIG. 2

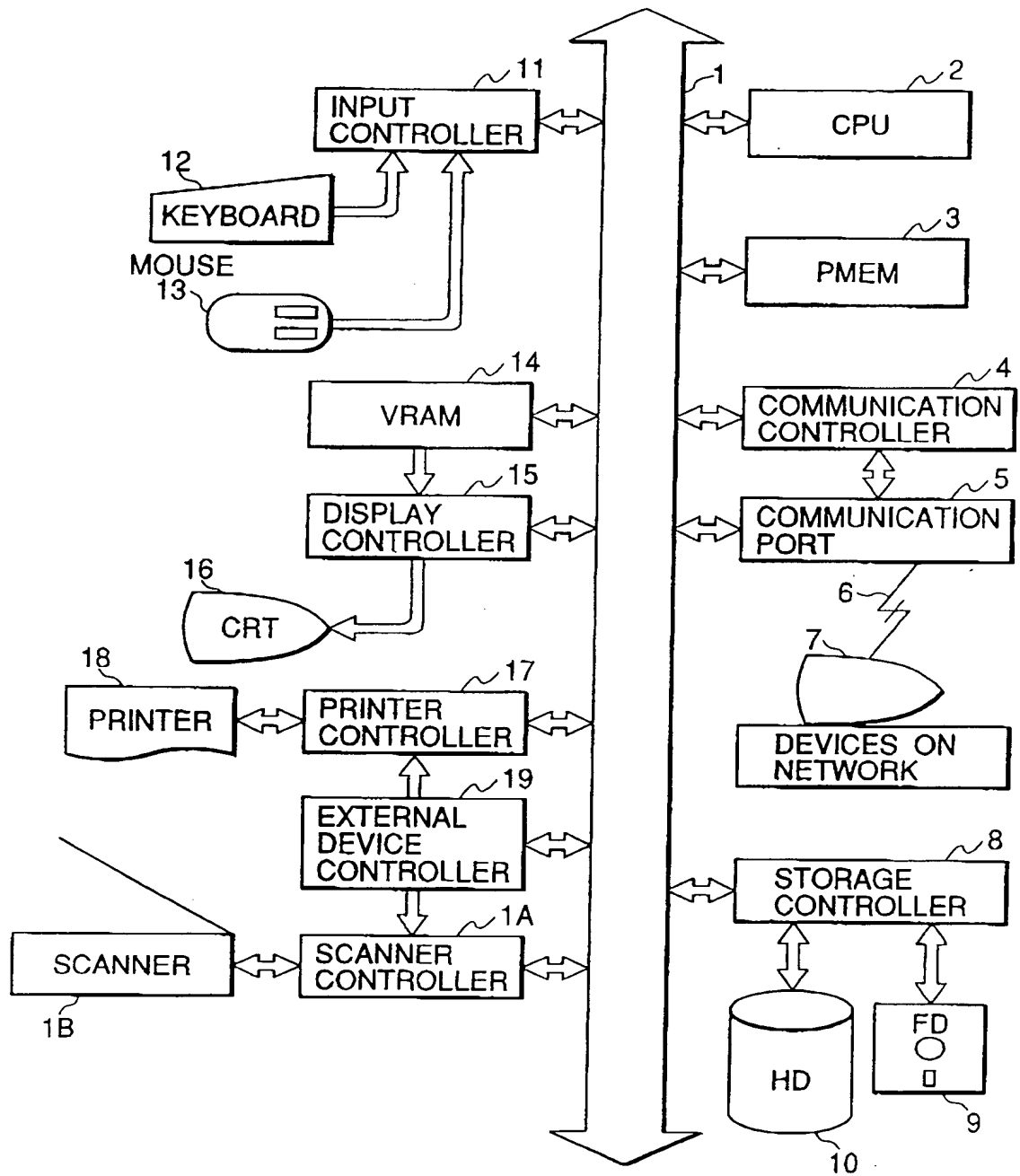


FIG. 3

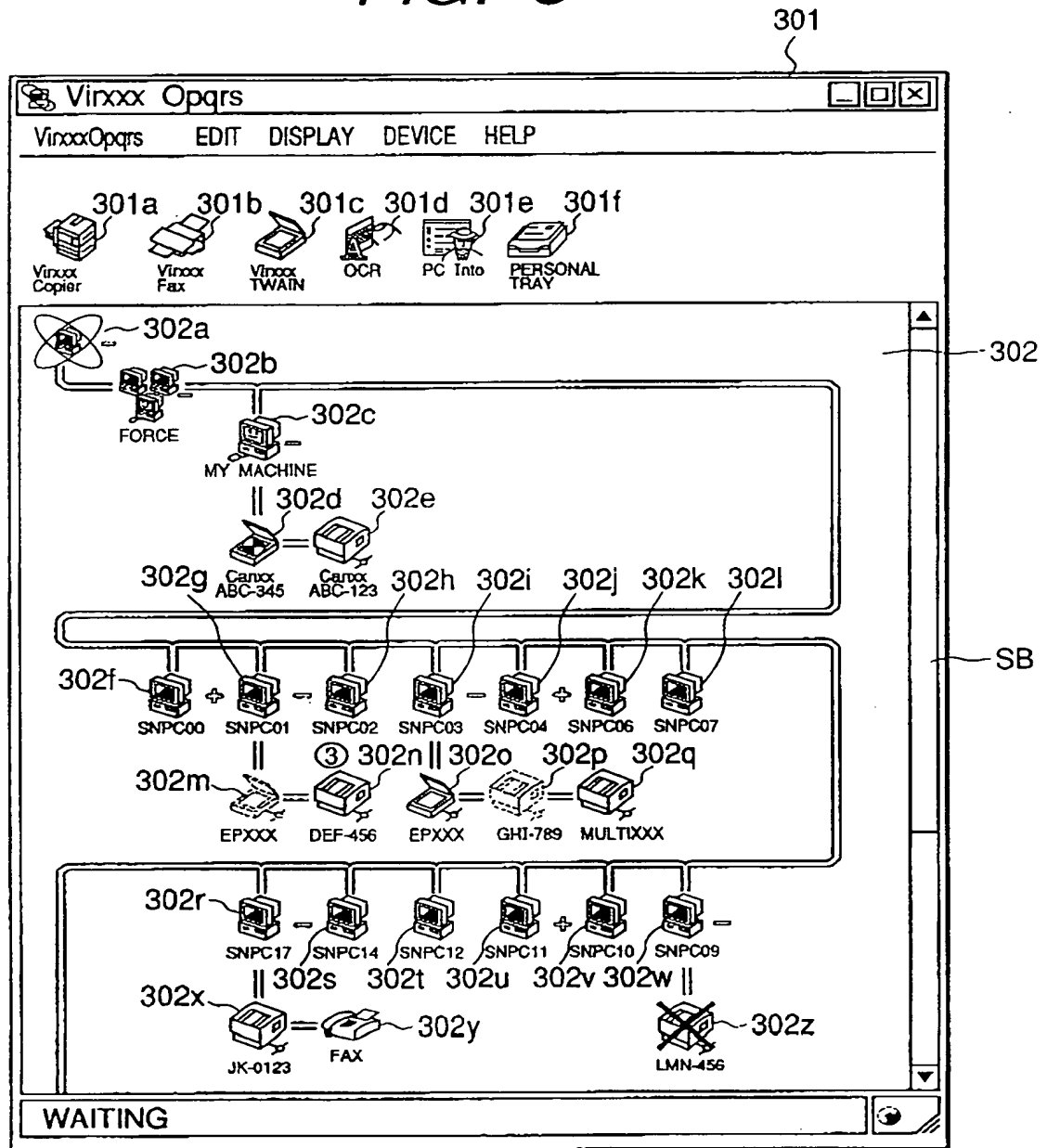


FIG. 4

Virxx Copy

DEF456(SNPC01) > CanxxABC-123(ABxxx)

100% 403 A4 404 A4 404 COLOR 1 406

SIZE:x1 SIZE:x? 401 INPUT... OUTPUT... 406 MODE 405

100 % 408 LAYOUT... 405

DENSITY: THIN 409 THICK

IMAGE QUALITY: 200dpi HIGH SPEED 410 HIGH QUALITY

SCAN:

CHANGE I/O DEVICE 412 RESET 413 STOP 414 START COPY 415

407

411

INPUT SIZE

OUTPUT SIZE

OUTPUT AREA

FIG. 5

501

Virxxx Opqrs
COMBINATION AS DESIGNATED IS NOT VALID.
<div style="border: 1px dashed black; display: inline-block; padding: 2px 10px;">OK</div>

FIG. 6

NO. OF REGISTERED FUNCTIONS		601	
COMMENT		602	
603	1	SCANNER	603a
		PRINTER	603b
		COPIER	603c
		COMMENT	603d
⋮			
604	N	SCANNER	604a
		FAX MODEM	604b
		FAX	604c
		COMMENT	604d

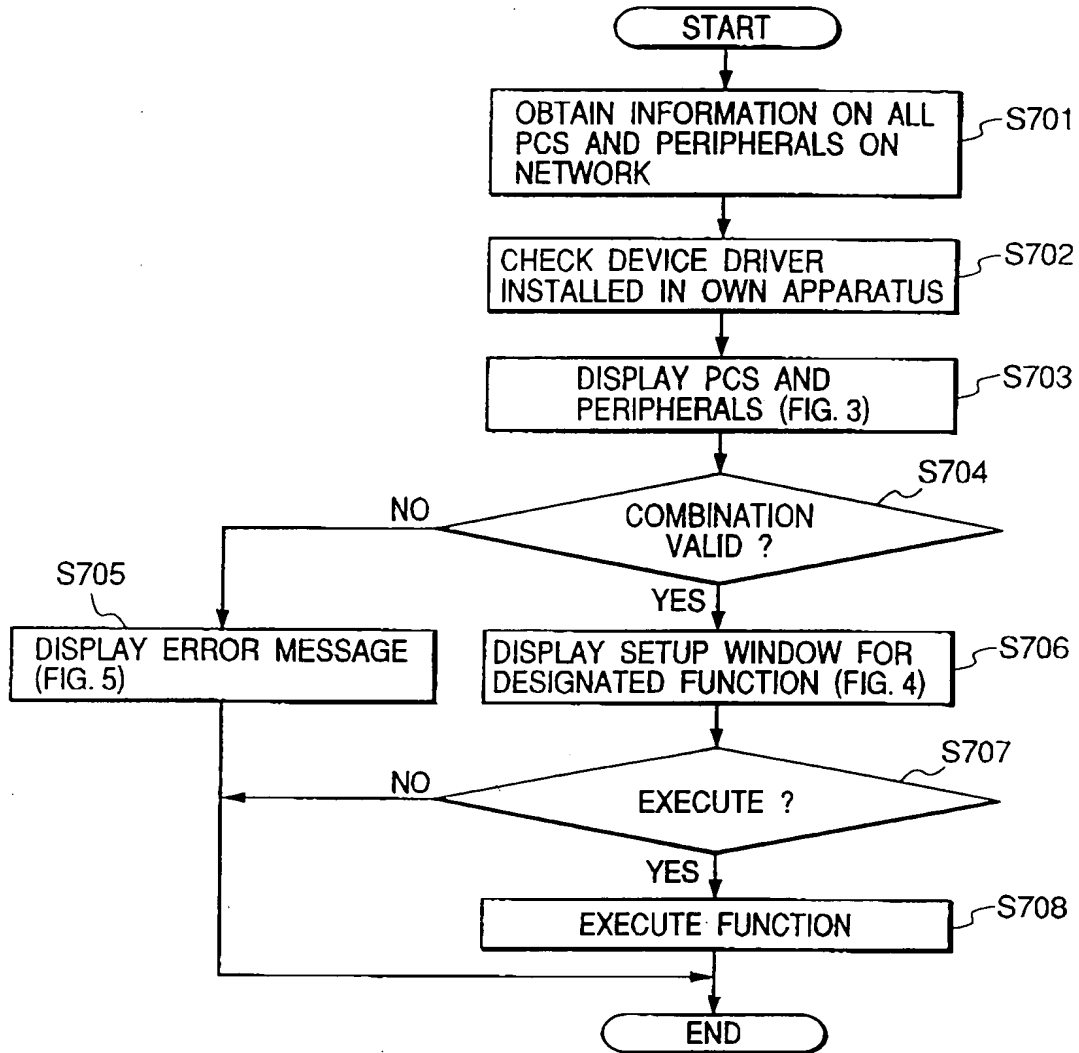
FIG. 7

FIG. 8

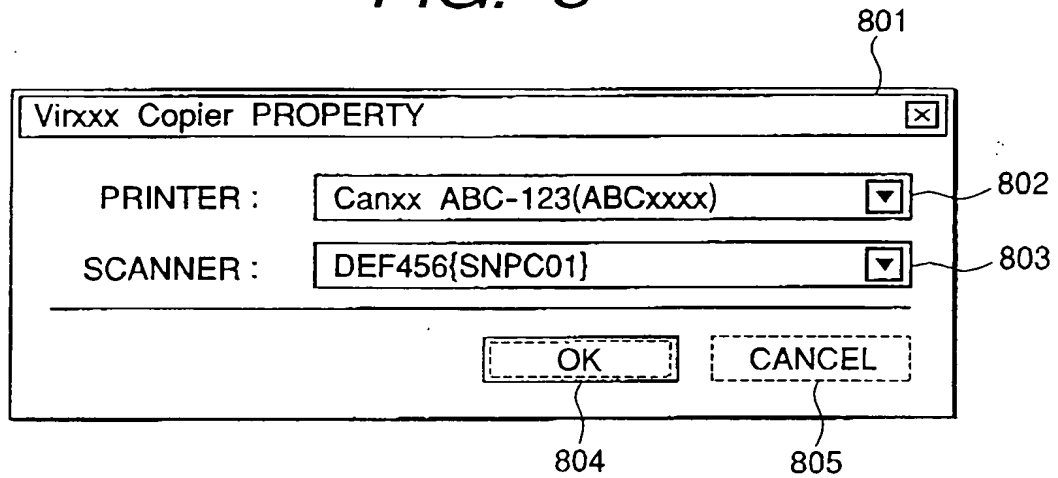


FIG. 9

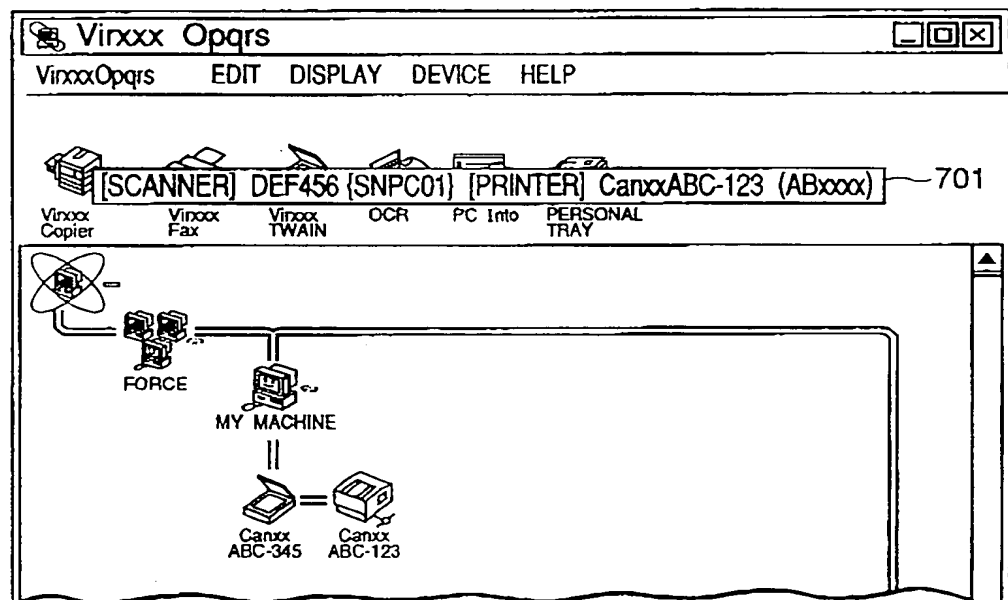


FIG. 10

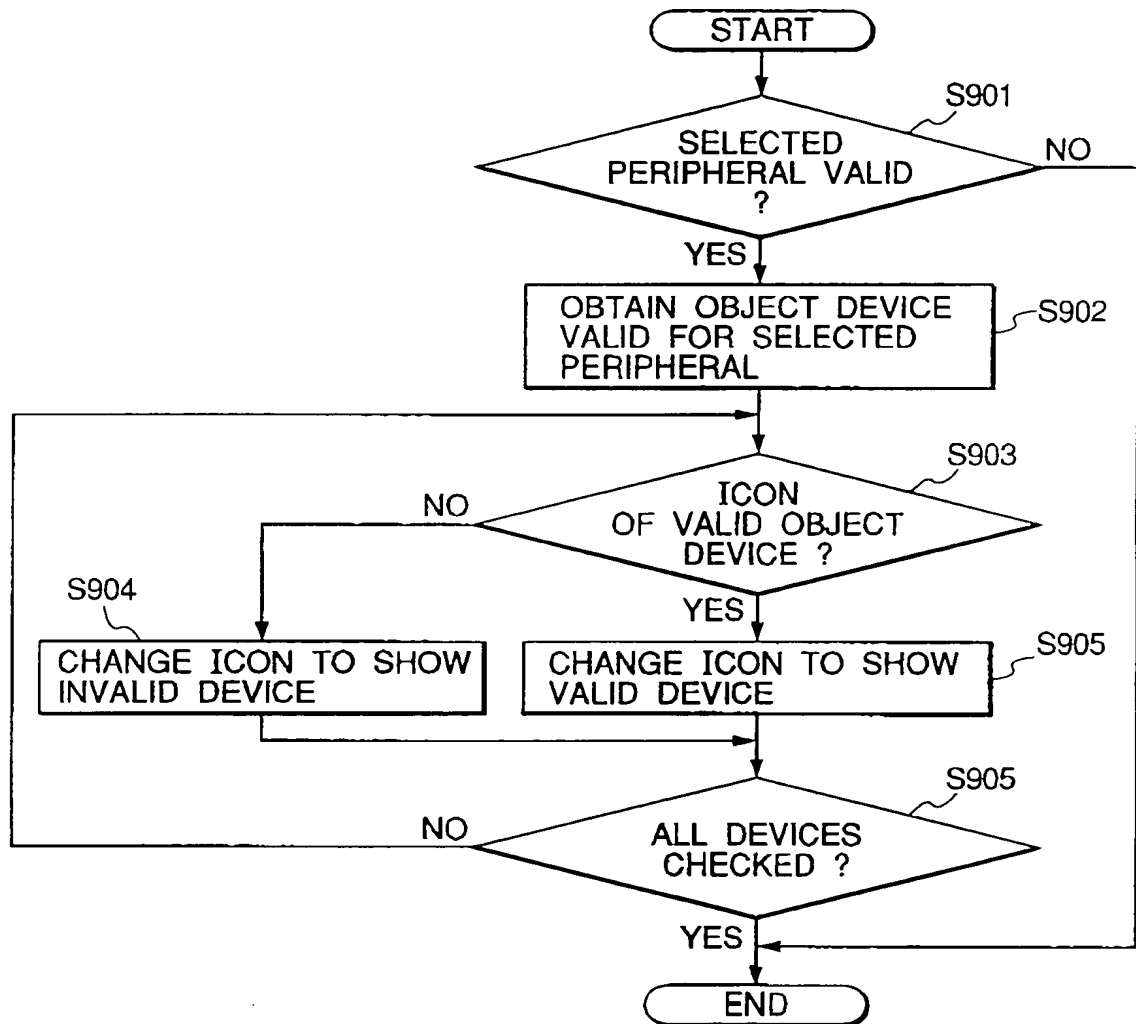


FIG. 11

NO. OF REGISTERED FUNCTIONS		1101	
COMMENT		1102	
1103	1	DEVICE ATTRIBUTE	1103a
		DRIVER NAME	1103b
		COMBINED FUNCTION	1103c
		EXECUTION MODULE	1103d
⋮			
1104	N	DEVICE ATTRIBUTE	1104a
		DRIVER NAME	1104b
		COMBINED FUNCTION	1104c
		EXECUTION MODULE	1104d

FIG. 12

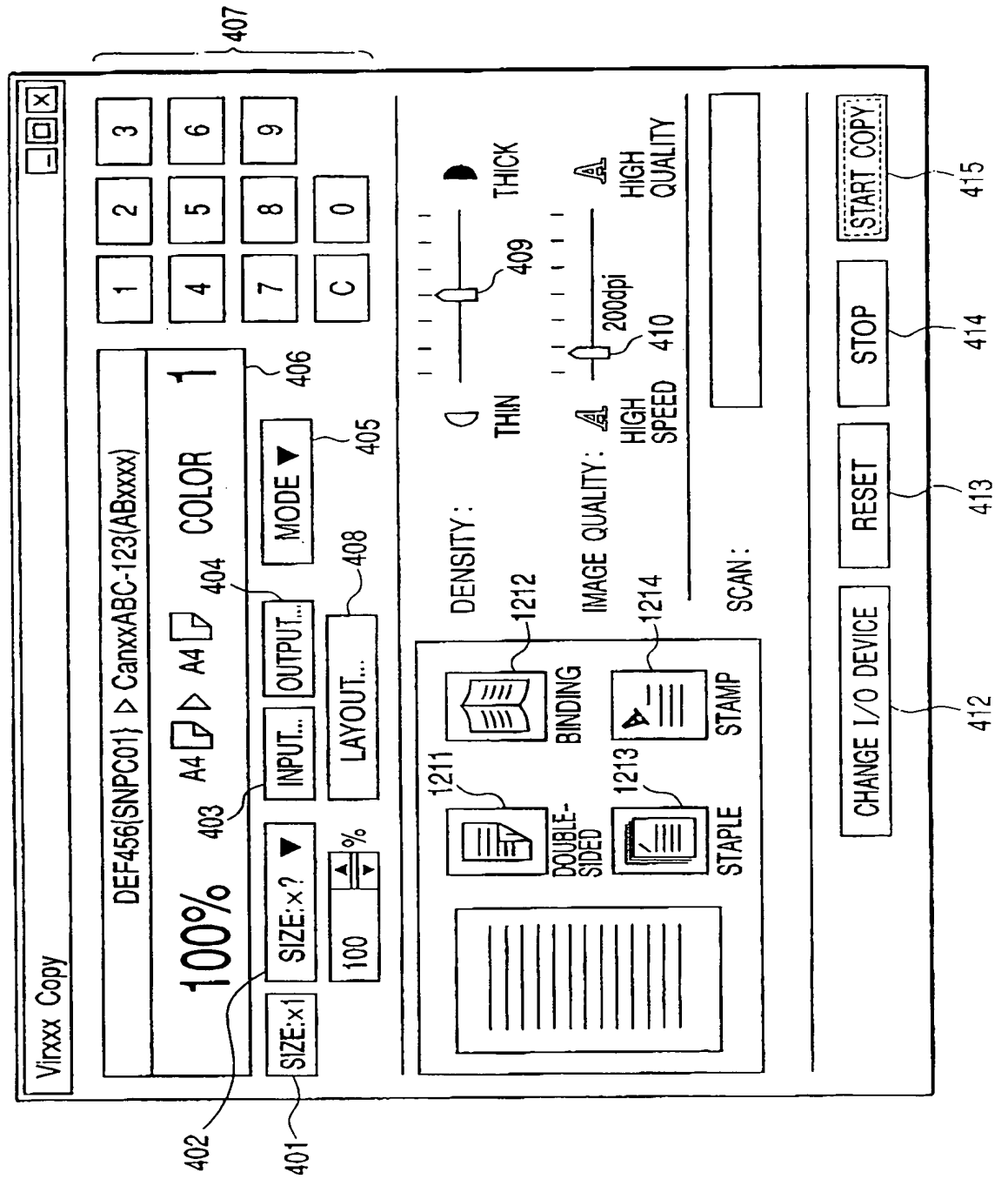


FIG. 13

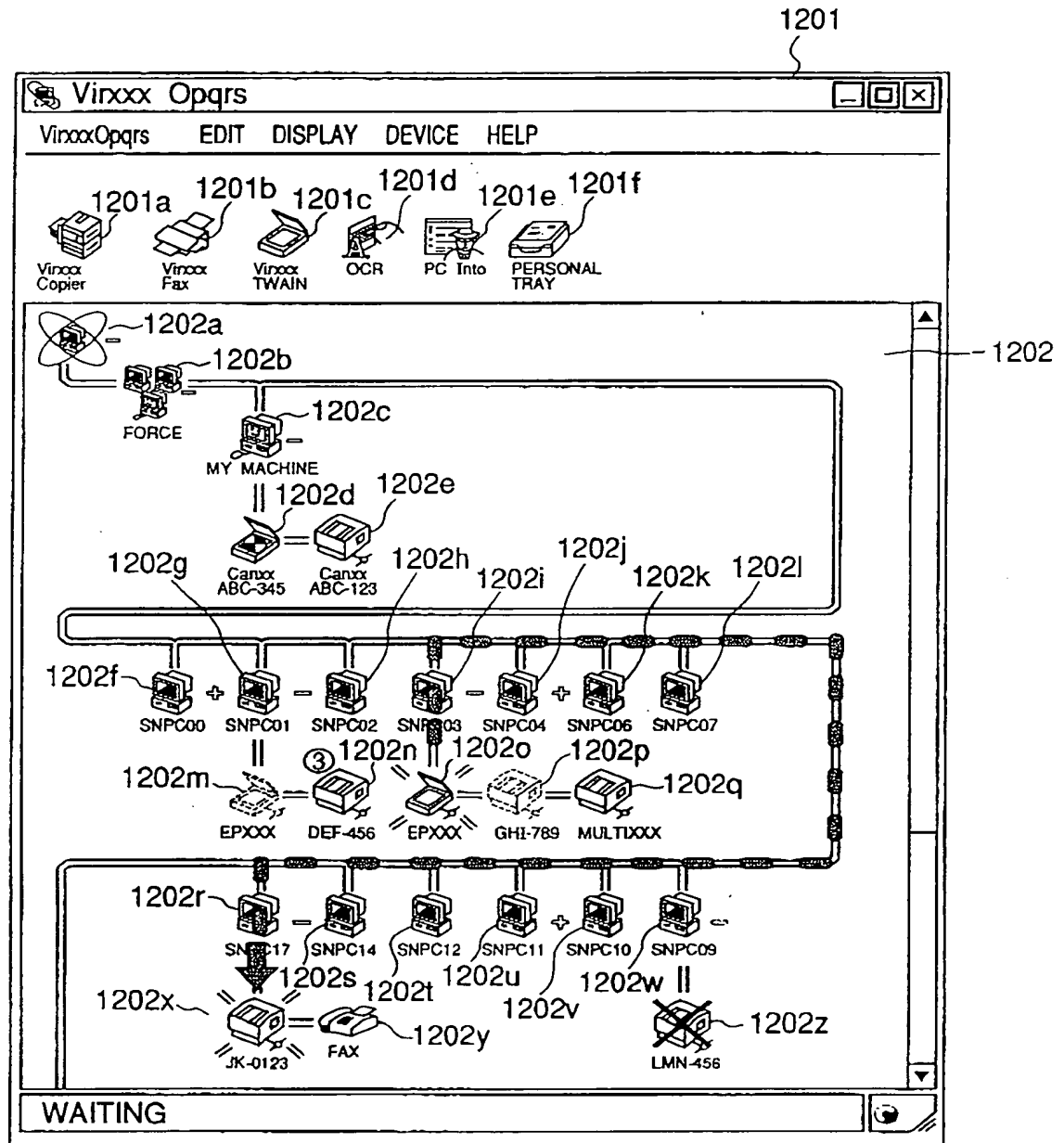


FIG. 14

MEMORY MAP OF MEMORY
MEDIUM (FD/CD-ROM ETC.)

DIRECTORY
1ST DATA PROCESSING PROGRAM PROGRAM CODES FOR FLOWCHART OF FIG. 7
2ND DATA PROCESSING PROGRAM PROGRAM CODES FOR FLOWCHART OF FIG. 10

*FIG. 15*1500

PRINTER DRIVER NAME		1501
VERSION		
COMMENT		
PAGE SETUP	ORIGINAL SIZE	1502
	PAPER SIZE	
	PRINT DIRECTION	
	PAGE LAYOUT	
	MAGNIFICATION	
	STAMP	
FINISHING	PRINTING METHOD	1503
	BINDING DIRECTION	
	EJECTION METHOD	
PAPER FEED	FEED METHOD	1504
	OHP SETUP	
DEVICE SETUP	FEED OPTION	1505
	EJECTION OPTION	

FIG. 16

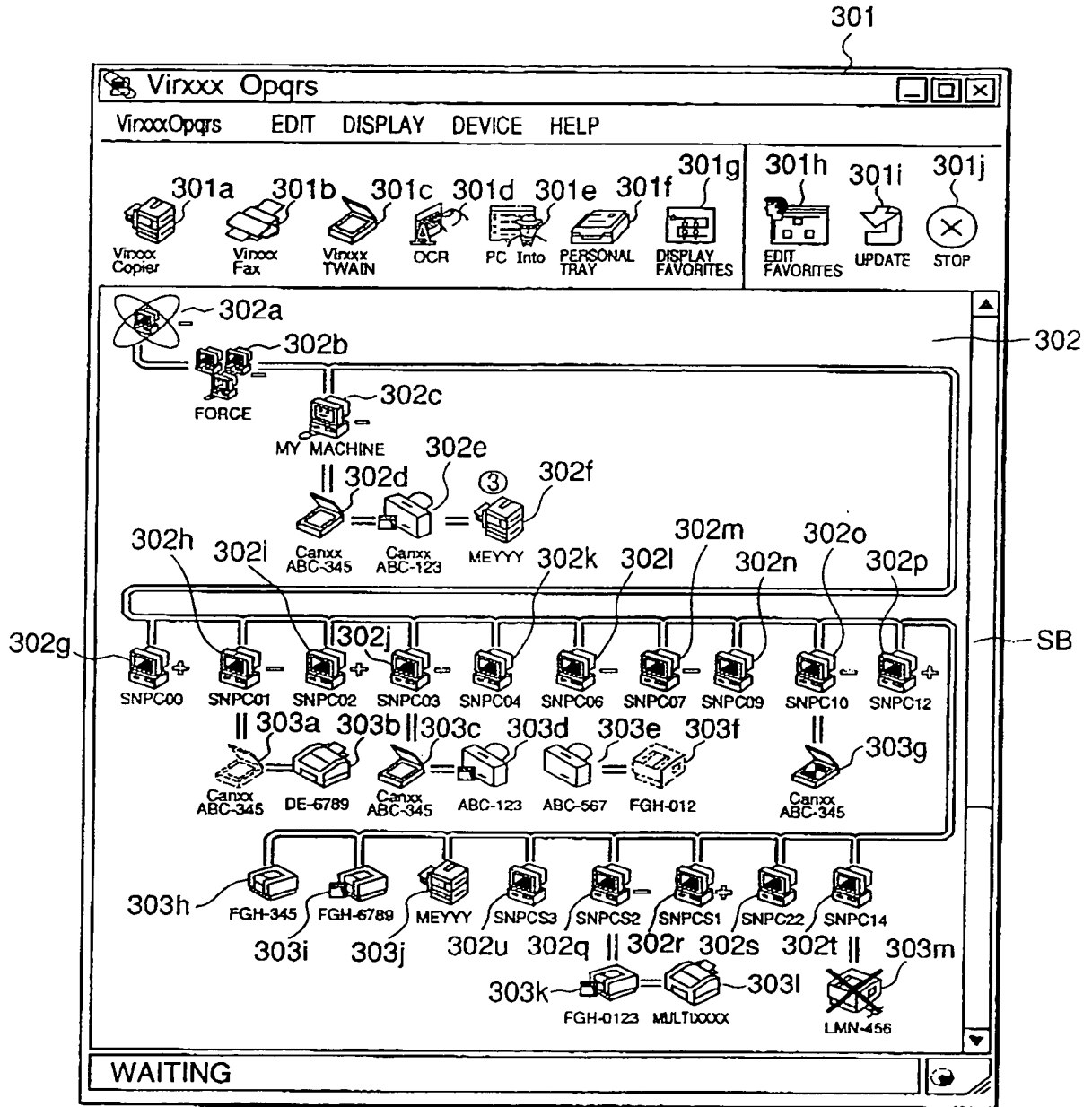


FIG. 17

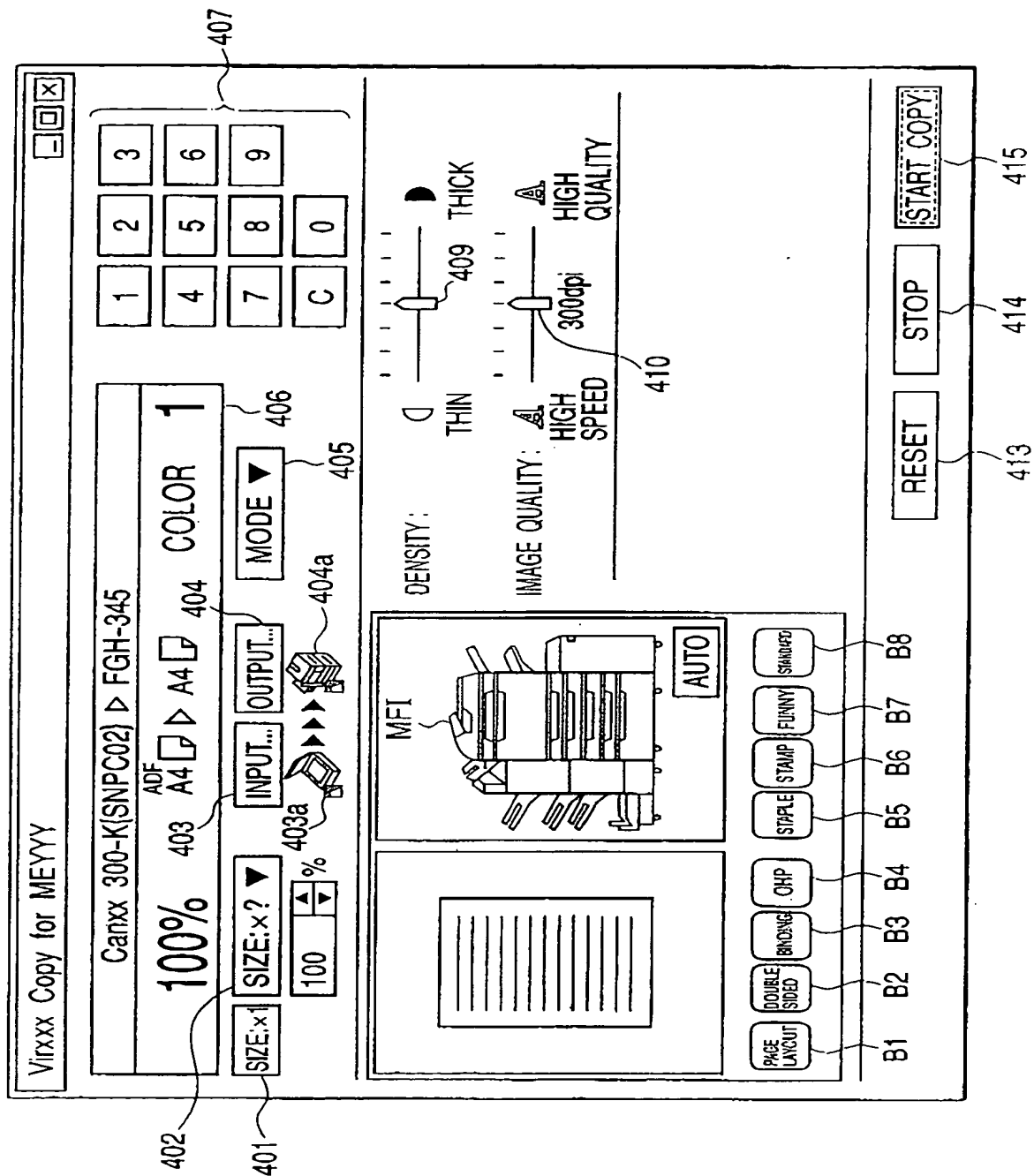


FIG. 18

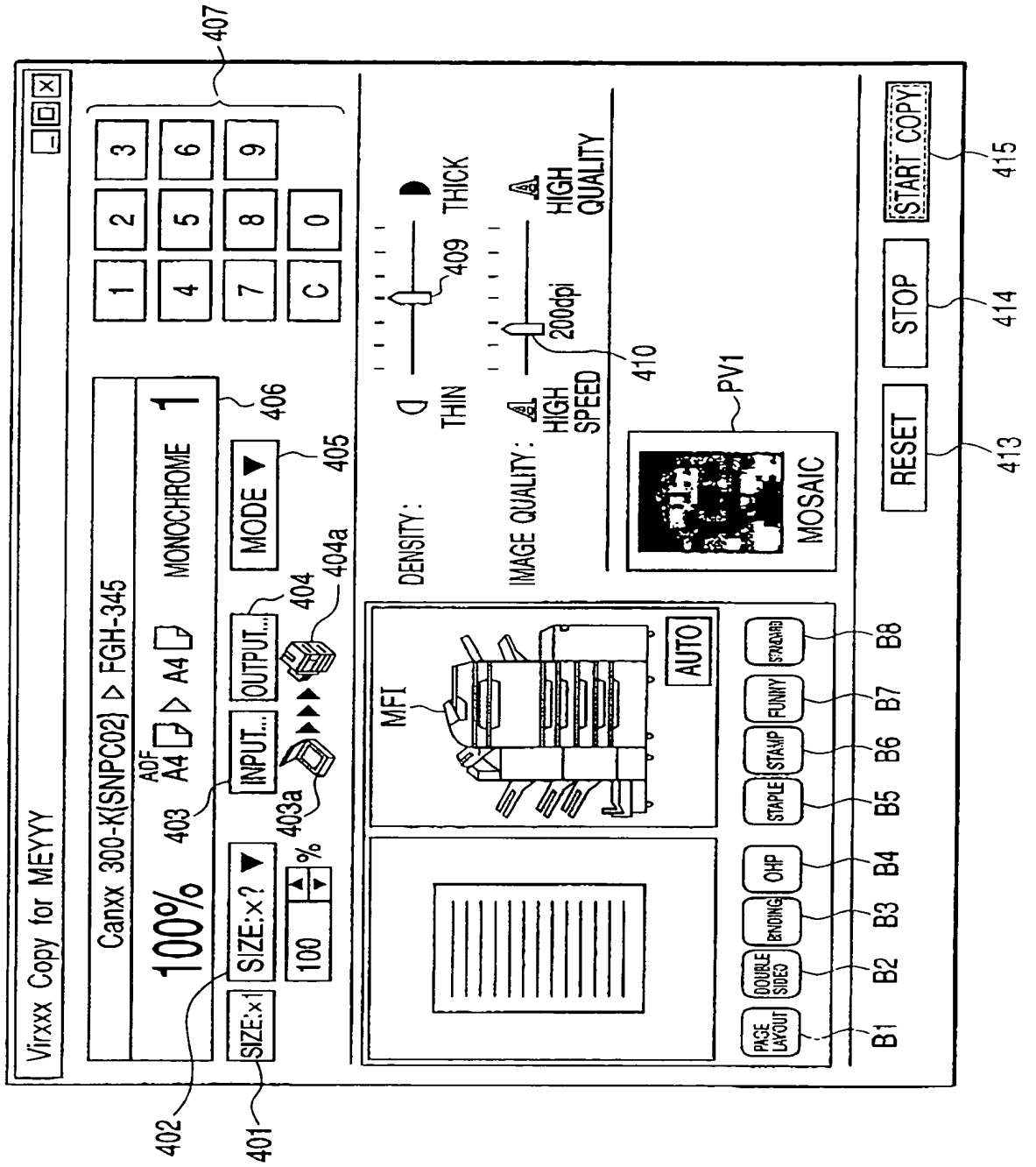


FIG. 19

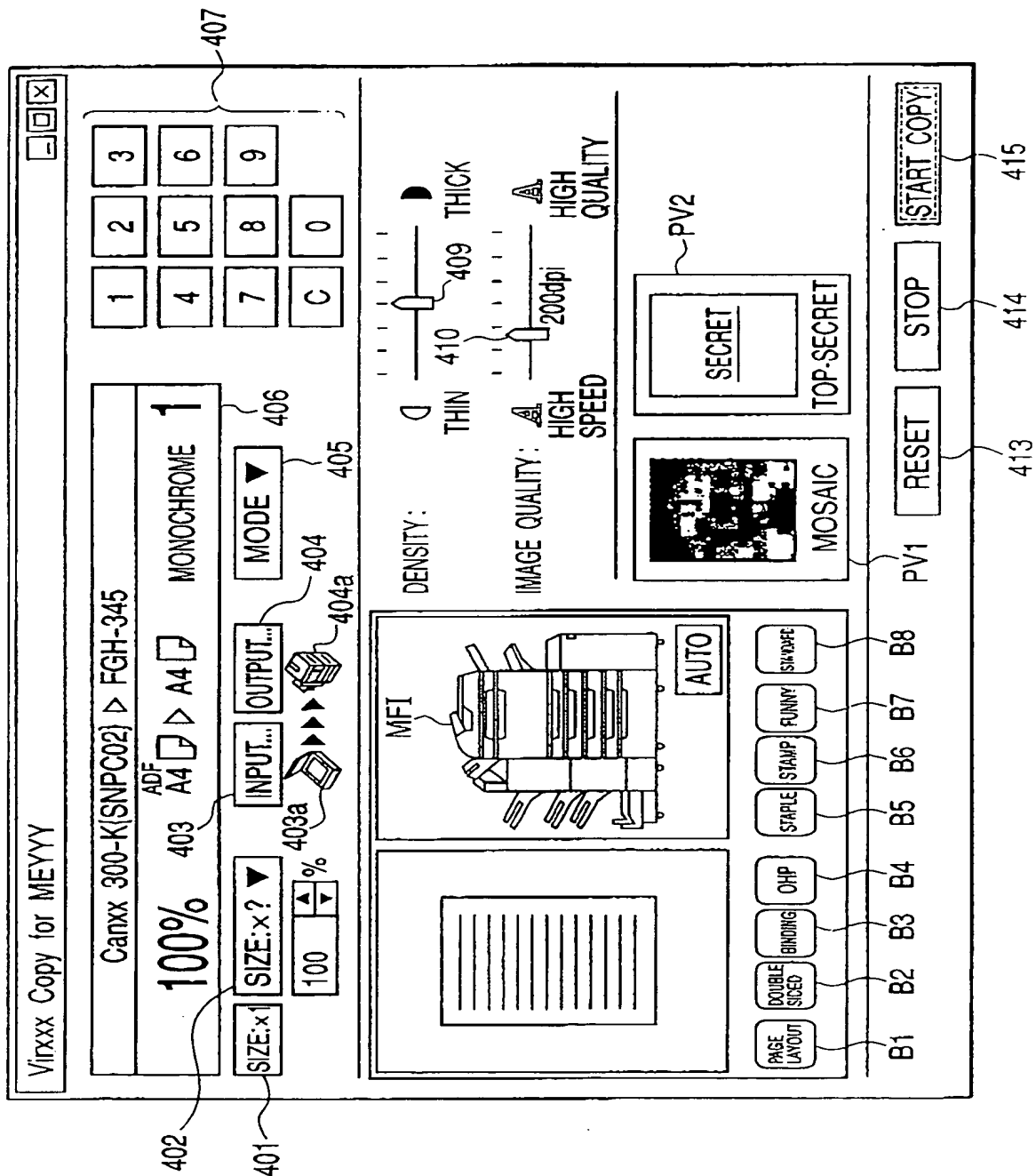


FIG. 20

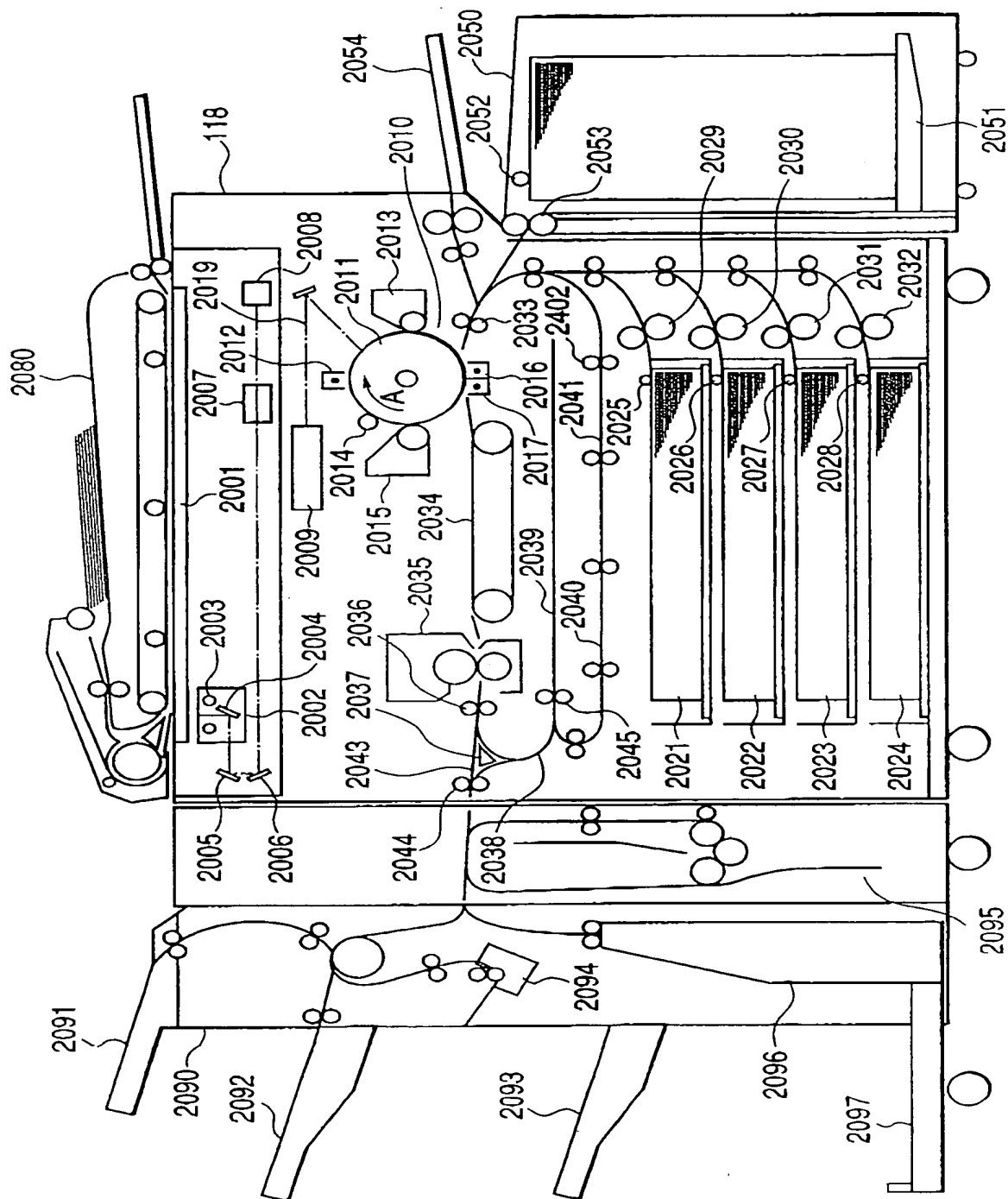


FIG. 21

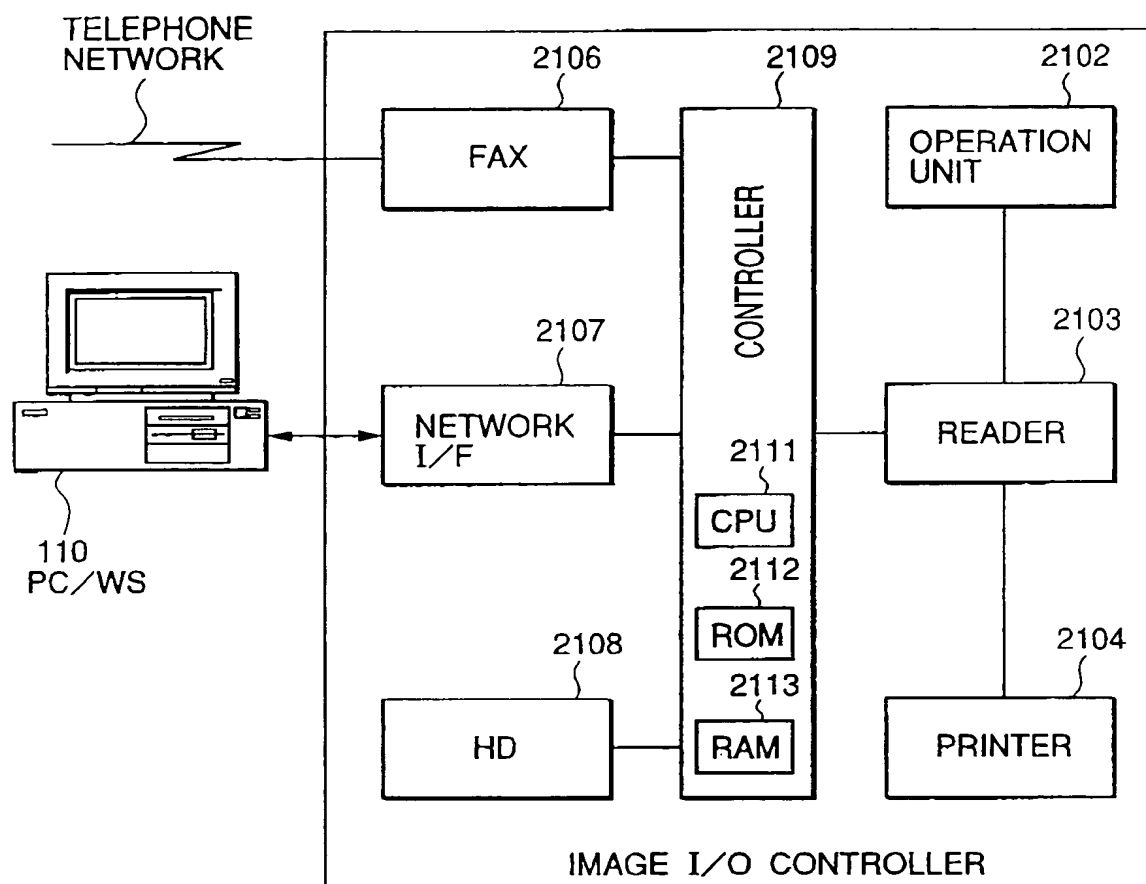


FIG. 22

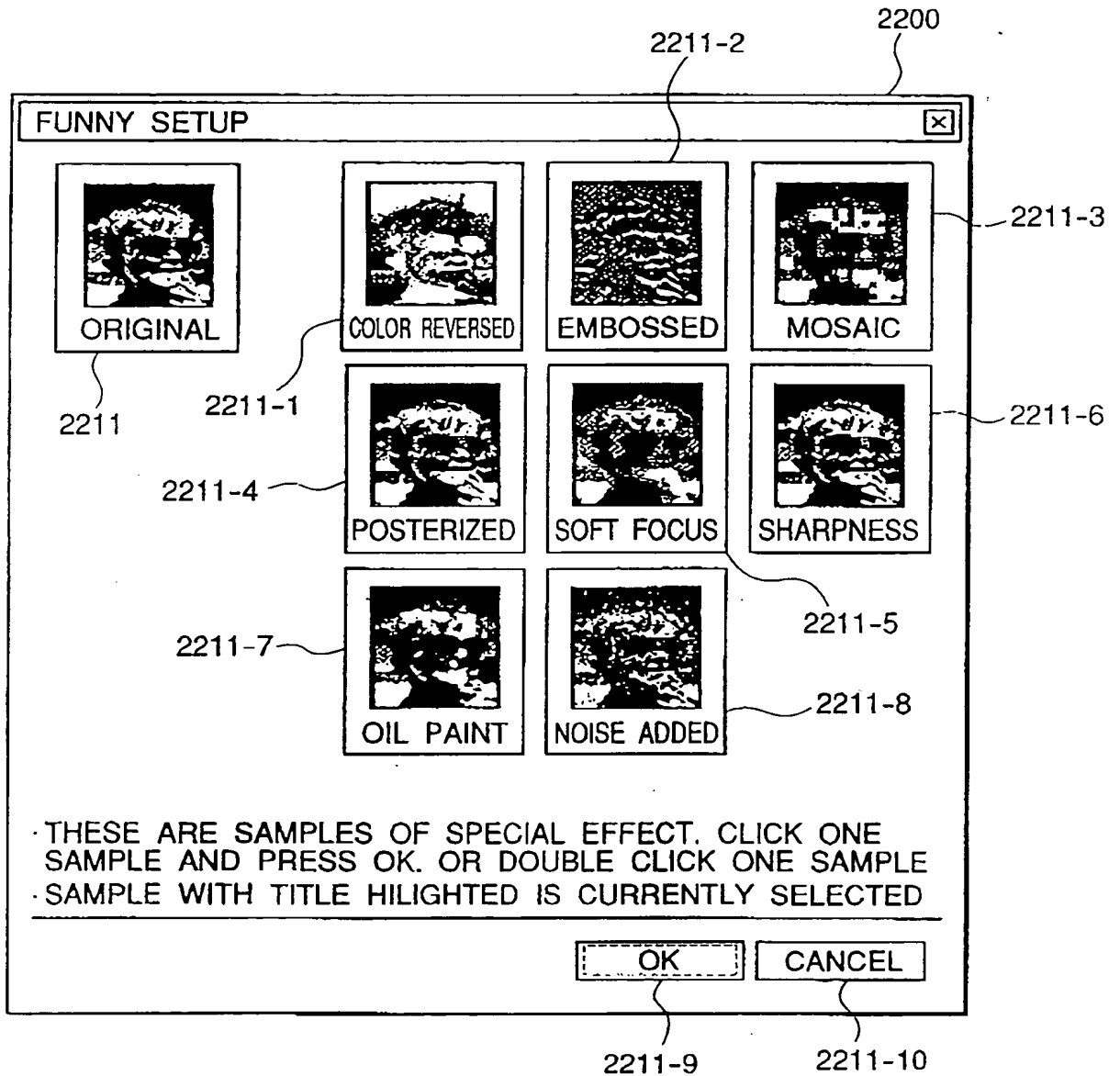


FIG. 23

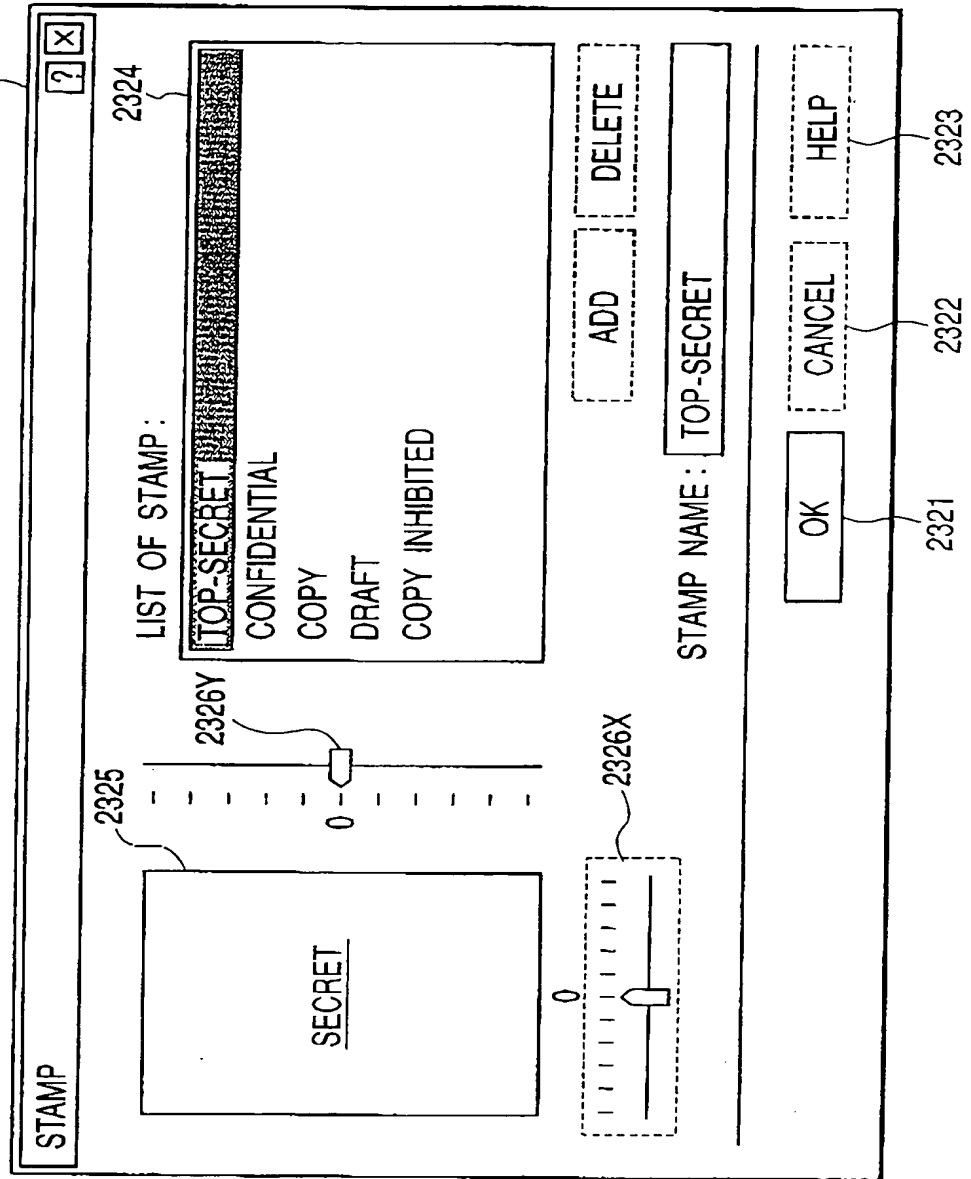
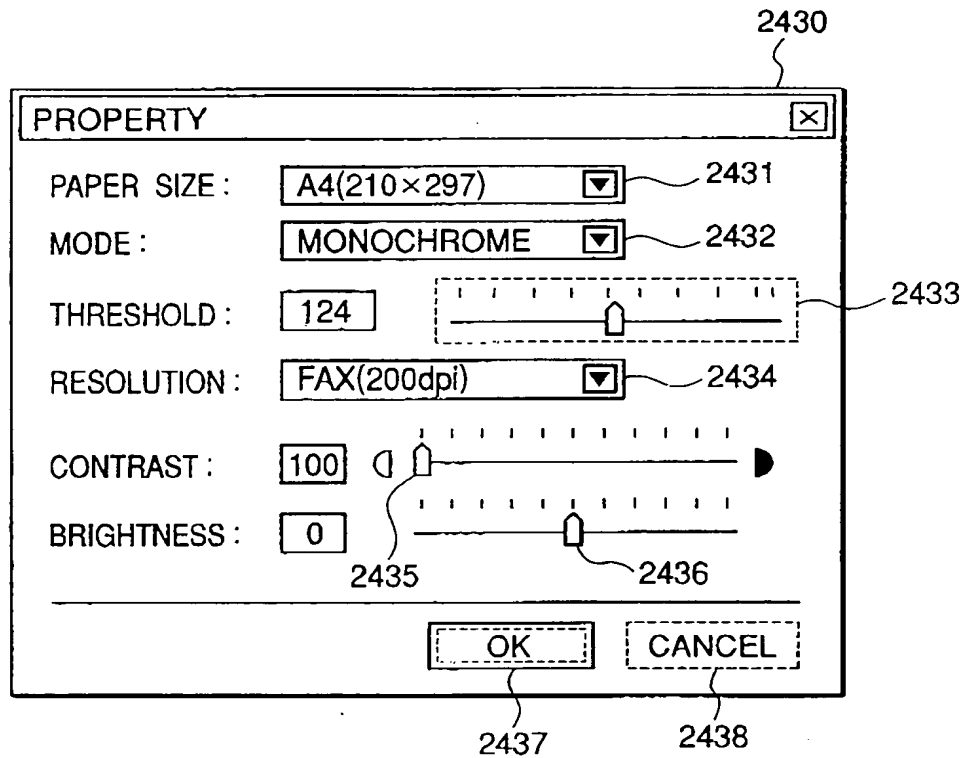


FIG. 24

PRINTER DRIVER NAME		}	2501
VERSION			
COMMENT			
PAGE SETUP	RESOURCE OFFSET	}	2502
	ORIGINAL SIZE		
	RESOURCE OFFSET		
	PAPER SIZE		
	RESOURCE OFFSET		
	PRINT DIRECTION		
	RESOURCE OFFSET		
	PAGE LAYOUT		
	RESOURCE OFFSET		
	MAGNIFICATION		
	RESOURCE OFFSET		
	STAMP		
	RESOURCE OFFSET		
	FINISHING		
PRINTING METHOD			
RESOURCE OFFSET			
BINDING DIRECTION			
RESOURCE OFFSET			
EJECTION METHOD			
RESOURCE OFFSET			
PAPER FEED	RESOURCE OFFSET	}	2504
	FEED METHOD		
	RESOURCE OFFSET		
	OHP SETUP		
	RESOURCE OFFSET		
DEVICE SETUP	RESOURCE OFFSET	}	2505
	FEED OPTION		
	RESOURCE OFFSET		
	EJECTION OPTION		
	RESOURCE OFFSET		
RESOURCE DATA		}	2506

FIG. 26

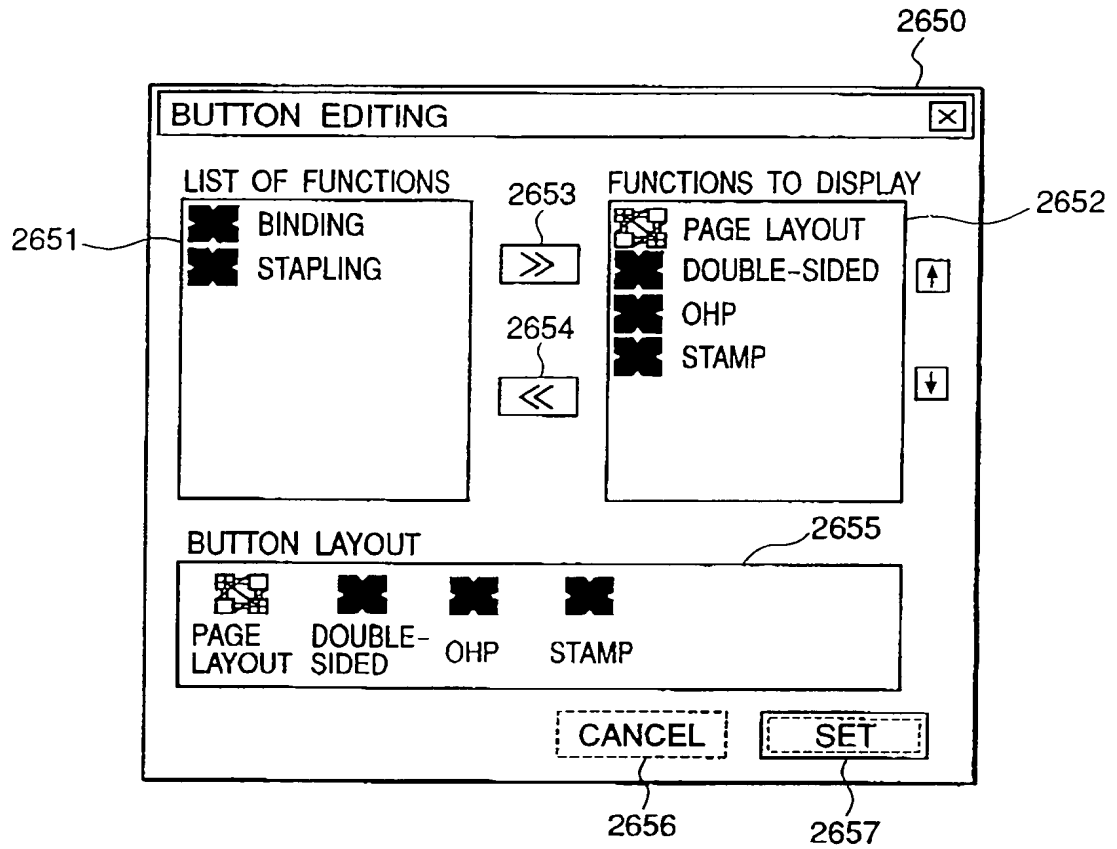
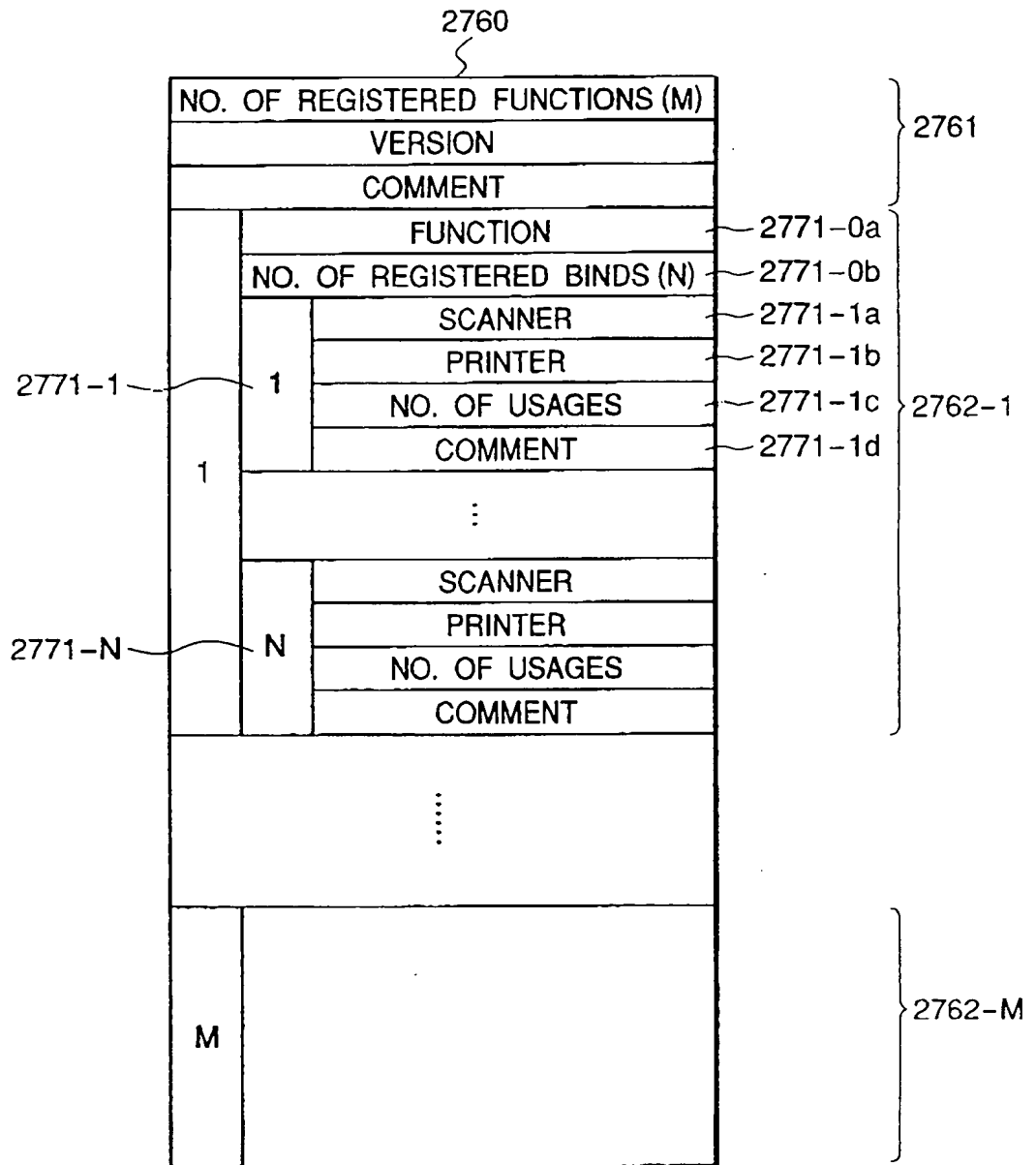


FIG. 27



MANAGEMENT DOMAIN NAME			} 2871
NO. OF PRINTERS TO MANAGE (M)			
COMMENT			
2881	1	PRINTER NAME	} 2872-1
2882		NO. OF LOGS (N1)	
2883		COMMENT	
2884-1		INPUT INFORMATION	
		NO. OF PAGES TO PRINT	
		PAPER SIZE	
		PAPER HEIGHT	
		PAPER WIDTH	
		COLOR/MONO	
		SINGLE/DOUBLE-SIDED	
	TONER CONSUMPTION AMOUNT (Y, M, C,K)		
⋮			
2884-N1	N1		
⋮			
M	1	PRINTER NAME	} 2872-M
		NO. OF LOGS (N2)	
		COMMENT	
		INPUT INFORMATION	
		NO. OF PAGES TO PRINT	
		PAPER SIZE	
		PAPER HEIGHT	
		PAPER WIDTH	
		COLOR/MONO	
		SINGLE/DOUBLE-SIDED	
TONER CONSUMPTION AMOUNT (Y, M, C,K)			
⋮			
N2			

FIG. 29

ITEM	CONTENTS	DATA RECORDING
SENDER	SENDER OF FAX	ONLY WHEN FAX DATA CONTAINS VALID INFORMATION OF SENDER
FAX NO.	FAX NO. OF SENDER	ONLY WHEN FAX DATA CONTAINS VALID FAX NUMBER DATA IN CSI BLOCK
DATE	DATE OF FAX RECEPTION	YY/MM/DD HH:MM
RECEPTION RESULT	STATUS OF FAX RECEPTION	·NORMAL TERMINATION → SUCCESSFUL ·OTHERWISE → FAILED
RECEPTION TIME	TIME TO COST RECEIVING DATA	THE FORMAT IS "HH:MM:SS". IN CASE OF LESS THAN 1 HOUR, THE FORMAT IS "MM:SS"
NO. OF PAGES	NO. OF PAGES RECEIVED	
ERROR	RECEIVE ERROR INF.	
RESOLUTION	RESOLUTION OF IMAGE RECEIVED	100, 200DPI
COMPRESSION	COMPRESSION METHOD	MH, MR, MMR

FIG. 30

ITEM	CONTENTS	DATA RECORDING
RECEIVER	RECEIVER OF FAX	RECEIVER'S NAME THAT IS INDICATED IN FAX SENDING DIALOG
FAX NO.	FAX NO. OF RECEIVER	
DATE	DATE OF FAX SENDING	YY/MM/DD HH:MM
SENDING RESULT	STATUS OF FAX SENDING	<ul style="list-style-type: none"> • NORMAL TERMINATION → SUCCESSFUL • PARTIALLY FAILED (SOME SENDING FAILED IN CASE OF MULTIPLE RECEIVERS) • OTHERWISE → FAILED
SENDING TIME	TIME TO COST SENDING DATA	THE FORMAT IS "HH:MM:SS". IF LESS THAN 1 HOUR, FORMAT IS "MM:SS"
NO. OF TRIALS	NO. OF SENDING TRIALS	
DOCUMENT NAME	DOCUMENT NAME THAT IS SENT	<ul style="list-style-type: none"> • IN VFAX PRINTER THE NAME OF PRINTED DOCUMENT • IN CASE OF VOC'S FUNCTION, (SCAN IMAGE AND SEND FAX) THIS NAME IS "PCNAME-YYMMDDHHMM.TIX"
NUMBER OF RECEIVERS		
NO. OF PAGES	NO. OF PAGES SENT	SENT PAGES/TOTAL PAGE (EX. 25/100)
ERROR	ERROR INFORMATION OF THE JOB	ERROR INFORMATION LIKE "RECEIVER FAX IS BUSY"
SECTION OF RECEIVER	SECTION OF FAX RECEIVER	COMPANY NAME+SECTION NAME
COMMENT	COMMENT ON COVER PAGE	
RESOLUTION	RESOLUTION OF IMAGE SENT	100, 200DPI
COMPRESSION	COMPRESSION METHOD	MH, MR, MMR
TIME TO SERVER	THE TIME FAX DATA IS RECEIVED TO SERVER'S WAITING TRAY	YY/MM/DD HH:MM
SENDER	USER NAME WHO SENDS THIS FAX	
SENDER PC	PC NAME OF SENDER	

[illegible]

ITEM	CONTENTS
USER NAME	USER NAME WHO PERFORMED SCANNING (INF. IN HTTP HEADER)
SCAN START TIME	START TIME OF TWAIN SESSION (CALL TIME OF SNTBEGINSESSION)
SCAN END TIME	END TIME OF TWAIN SESSION (CALL TIME OF SNTENDSESSION)
NO. OF SCAN PAGES	NO. OF PAGES OF SCANNED DOCUMENT (MAX 10 FIGURES)
MACHINE NAME	MACHINE NAME FOR SCAN (MAX 15 FIGURES)
TWAIN DRIVER NAME	TWAIN DRIVER NAME FOR SCAN (MAX 32 FIGURES)
PAPER SIZE	
PAPER HEIGHT	PAPER HEIGHT IN 1/10MM UNITS (MAX 4 FIGURES)
PAPER WIDTH	PAPER WIDTH IN 1/10MM UNITS (MAX 4 FIGURES)
COLOR/MONO	1 : MONOCHROME 2 : COLOR

FIG. 32

ITEM	CONTENTS
USER NAME	USER NAME WHO PERFORMED PRINTING
PRINT START TIME	START TIME OF PRINT JOB
PRINT END TIME	END TIME OF PRINT JOB
NO. OF PRINT PAGES	NO. OF PAGES OF PRINTED DOCUMENT (MAX 10 FIGURES)
MACHINE NAME	MACHINE NAME FOR PRINT (MAX 15 FIGURES)
PRINTER DRIVER NAME	PRINTER DRIVER NAME FOR PRINT (MAX 32 FIGURES)
APPLICATION NAME	<ul style="list-style-type: none"> APPLICATION NAME THAT PERFORMED PRINTING FOR SCANNER, SCANNER MACHINE NAME, RESOLUTION COLOR/MONO
NO. OF COPIES	NO. OF COPIES DESIGNATED (MAX 6 FIGURES)
PAPER SIZE	
PAPER HEIGHT	PAPER HEIGHT IN 1/10MM UNITS (MAX 4 FIGURES)
PAPER WIDTH	PAPER WIDTH IN 1/10MM UNITS (MAX 4 FIGURES)
COLOR/MONO	1 : MONOCHROME 2 : COLOR
SIGNAL/DOUBLE-SIDED	1 : SINGLE 2 : DOUBLE
TONER AMOUNT (Y, M, C, K)	TONER CONSUMPTION AMOUNT

FIG. 33

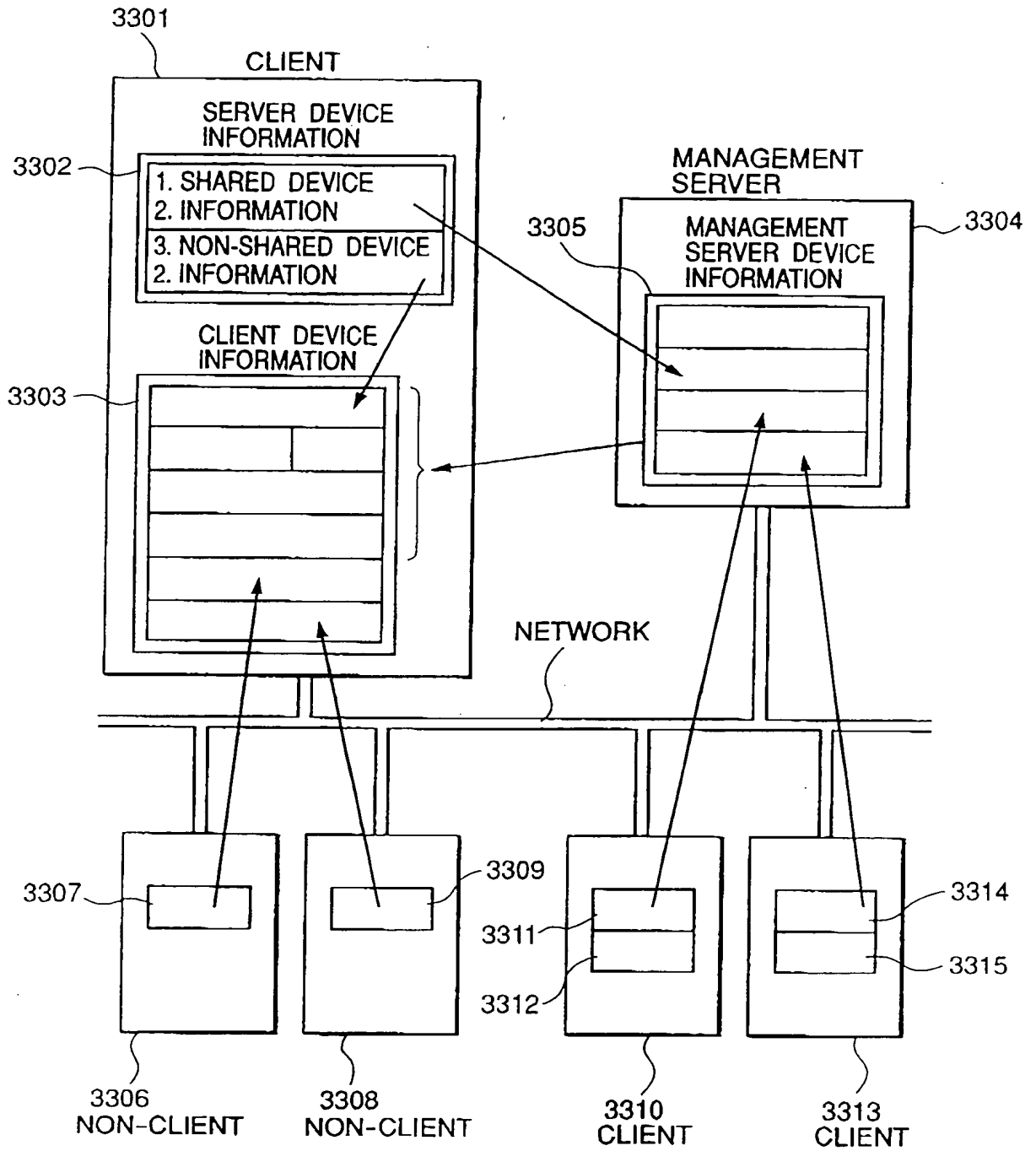


FIG. 34

3305

3401	HEADER INFORMATION	VERSION		
		INDEX TABLE NUMBER → N		
		INDEX TABLE OFFSET		
3402	INDEX TABLE	ELEMENT [0]	DATA OFFSET	
			DATA SIZE	
			FLAG	
		⋮		
		ELEMENT [N-1]	DATA OFFSET	
			DATA SIZE	
			FLAG	
3403-1	CLIENT PC DEVICE INFORMATION DATA [0]	3404 PC INFORMATION	PC NAME	
			LOGON USER	
			LICENSE INFORMATION	
			OS INFORMATION	
			PRINTER INFORMATION NUMBER → N0	
			SCANNER INFORMATION NUMBER → N1	
			FAX BOARD INFORMATION NUMBER → N2	
		3405	PRINTER INFORMATION [0]	
		⋮		
		PRINTER INFORMATION [N0-1]		
		3406	SCANNER INFORMATION [0]	
		⋮		
		SCANNER INFORMATION [N1-1]		
		3407	FAX BOARD INFORMATION [0]	
		⋮		
FAX BOARD INFORMATION [N2-1]				
3403-N	CLIENT PC DEVICE INFORMATION DATA [N-1]	⋮		
		PC INFORMATION		
		PRINTER INFORMATION		
		SCANNER INFORMATION		
		FAX BOARD INFORMATION		

FIG. 35APC INFORMATION 3404

INFORMATION	CONTENTS
PC NAME	PC'S NET BIOS NAME
LOGON USER	PC'S LOGON USER
LICENSE INFORMATION	LICENSE NUMBER
OS INFORMATION	95/98 OR NT
NUMBER OF PRINTER INFORMATION	
NUMBER OF SCANNER INFORMATION	
NUMBER OF FAX BOARD INFORMATION	

FIG. 35BPRINTER INFORMATION 3405

INFORMATION	CONTENTS	HOW TO OBTAIN
PRINTER NAME	CONNECTION INFORMATION, PRINTER NAME	PPRINTERNAME IN PRINTER_INFO_2
DRIVER NAME	CONNECTION INFORMATION, DRIVER NAME	PDRIVERNAME IN PRINTER_INFO_2
SHARED NAME	CONNECTION INFORMATION, SHARED NAME IN THE NETWORK	PSHARENAME IN PRINTER_INFO_2
PORT NAME	CONNECTION INFORMATION, PRINTER PORT INFORMATION	PPORTNAME IN PRINTER_INFO_2
SHARED INFORMATION	CONNECTION INFORMATION, THE INFORMATION TO SHARE AS NETWORK PRINTER	PATTRIBUTENAME IN PRINTER_INFO_2
SERVER NAME	CONNECTION INFORMATION, SERVER PC OF SHARED PRINTER	PSERVERNAME IN PRINTER_INFO_2
COLOR INFORMATION	DEVICE ATTRIBUTE INFORMATION	DMCOLOR OF PDEVMODE IN PRINTER_INFO_2

FIG. 36ASCANNER INFORMATION 3406

INFORMATION	CONTENTS	HOW TO OBTAIN
TWAIN SOURCE NAME	CONNECTION INFORMATION, TWAIN SOURCE NAME	OBTAINED BY TWAIN MANAGER TW_IDENTITY. PRODUCTNAME
SHARED NAME	CONNECTION INFORMATION, SHARED NAME IN THE NETWORK	UNDER VOS MANAGEMENT
SHARED INFORMATION	CONNECTION INFORMATION, SHARED INFORMATION LIKE PASSWORD IS SET OR NOT	UNDER VOS MANAGEMENT
MANUFACTURER NAME	DEVICE ATTRIBUTE INFORMATION, TWAIN MANUFACTURER NAME	STUB'S SNTGETSCANNER ATTRIBUTE 0 CAN GET THIS INFORMATION
ADF INFORMATION	DEVICE ATTRIBUTE INFORMATION, ADF CONNECTION INFORMATION	STUB'S SNTGETSCANNER ATTRIBUTE 0 CAN GET THIS INFORMATION
COLOR INFORMATION	DEVICE ATTRIBUTE INFORMATION, TWAIN DEVICE'S COLOR INFORMATION	STUB'S SNTGETSCANNER ATTRIBUTE 0 CAN GET THIS INFORMATION
UI INFORMATION	DEVICE ATTRIBUTE INFORMATION, SILENT UI OR NOT	STUB'S SNTGETSCANNER ATTRIBUTE 0 CAN GET THIS INFORMATION
THE FOLLOWING INFORMATION DOES NOT BE NEEDED FOR THE PURPOSE OF SHOWING THE SCANNER ICON. BUT VTD MUST CHECK THE TWAIN DRIVER VERSION WHEN IT IS CONNECTED TO REMOTE SCANNER, BECAUSE VTD SAVES THE INFORMATION OF CAPABILITIES AND MUST JUDGE IF THIS INFORMATION IS RIGHT OR NOT. THEREFORE IT MAY BE GOOD WAY TO SAVE THE FOLLOWING INFORMATION IN THIS SCANNER INFORMATION TABLE. THIS TOPICS IS NECESSARY TO DISCUSS WITH PECAN. IF YOU JUDGE THAT THE FOLLOWING ITEMS ARE NOT NEEDED, PLEASE TELL US		
THE ELSE OF TW_IDENTITY	OTHER TW IDENTITY INFORMATION (VERSION OF TWAIN PROTOCOL, VERSION OF TWAIN DRIVER)	THE ELSE OF TW_IDENTITY INFORMATION (EX. TW_IDENTITY. PROTOCOLMAJOR, TW_IDENTITY. PROTOCOLMINOR, TW_IDENTITY. VERSION. MAJOR NUM, TW_IDENTITY. VERSION. MINOR NUM)

FIG. 36BFAX BOARD INFORMATION 3407

INFORMATION	CONTENTS	HOW TO OBTAIN
SHARED NAME	CONNECTION INFORMATION, SHARED NAME IN THE NETWORK	UNDER VOS MANAGEMENT

FIG. 37

3302 (3311, 3314)

3401	HEADER INFORMATION	VERSION	
		INDEX TABLE NUMBER → 1	
		INDEX TABLE OFFSET	
3402	INDEX TABLE	ELEMENT [0]	DATA OFFSET
			DATA SIZE
			FLAG
3701	LOCAL DEVICE INFORMATION DATA [0]	PC INFORMATION	PC NAME
			LOGON USER
			LICENSE INFORMATION
			OS INFORMATION
			PRINTER INFORMATION NUMBER → N0
			SCANNER INFORMATION NUMBER → N1
			FAX BOARD INFORMATION NUMBER → N2
		PRINTER INFORMATION [0]	
		⋮	
		PRINTER INFORMATION [N0-1]	
		SCANNER INFORMATION [0]	
		⋮	
		SCANNER INFORMATION [N1-1]	
		FAX BOARD INFORMATION [0]	
		⋮	
		FAX BOARD INFORMATION [N2-1]	

FIG. 38

3303 (3312, 3315)

3401	HEADER INFORMATION	VERSION	
		INDEX TABLE NUMBER → N	
		INDEX TABLE OFFSET	
3402	INDEX TABLE	ELEMENT [0]	DATA OFFSET
			DATA SIZE
			FLAG
		⋮	
		ELEMENT [N-1]	DATA OFFSET
			DATA SIZE
			FLAG
3701	LOCAL DEVICE INFORMATION DATA	PC INFORMATION	
		PRINTER INFORMATION	
		SCANNER INFORMATION	
3403-1	CLIENT PC DEVICE INFORMATION DATA	PC INFORMATION	
		PRINTER INFORMATION	
		SCANNER INFORMATION	
3403-N	CLIENT PC DEVICE INFORMATION DATA	⋮	
		PC INFORMATION	
		PRINTER INFORMATION	
		SCANNER INFORMATION	
3407	NON-CLIENT PC DEVICE INFORMATION DATA	PC INFORMATION	
		PRINTER INFORMATION	
3409	NON-CLIENT PC DEVICE INFORMATION DATA	⋮	
		PC INFORMATION	
		PRINTER INFORMATION	

FIG. 39

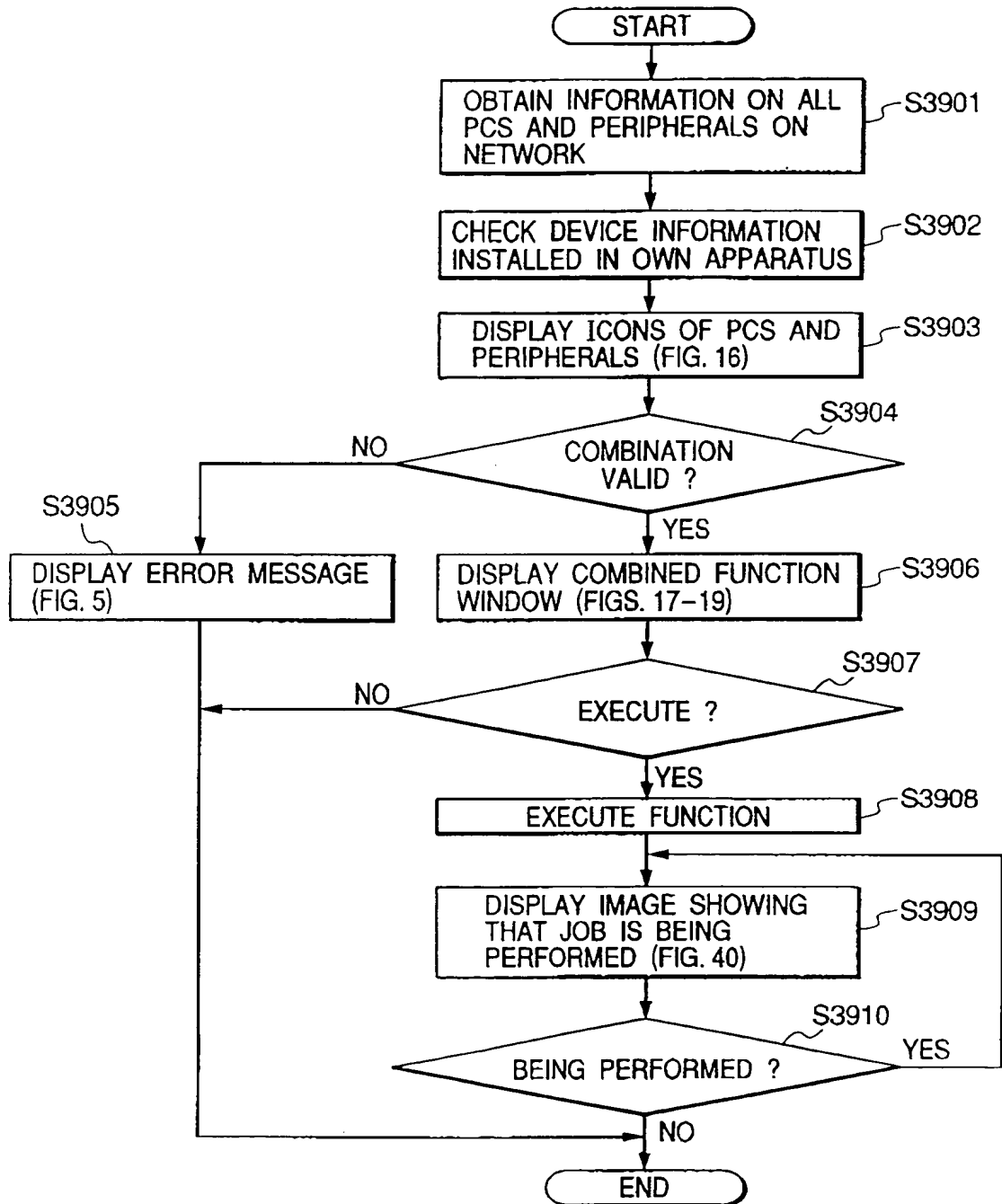


FIG. 40

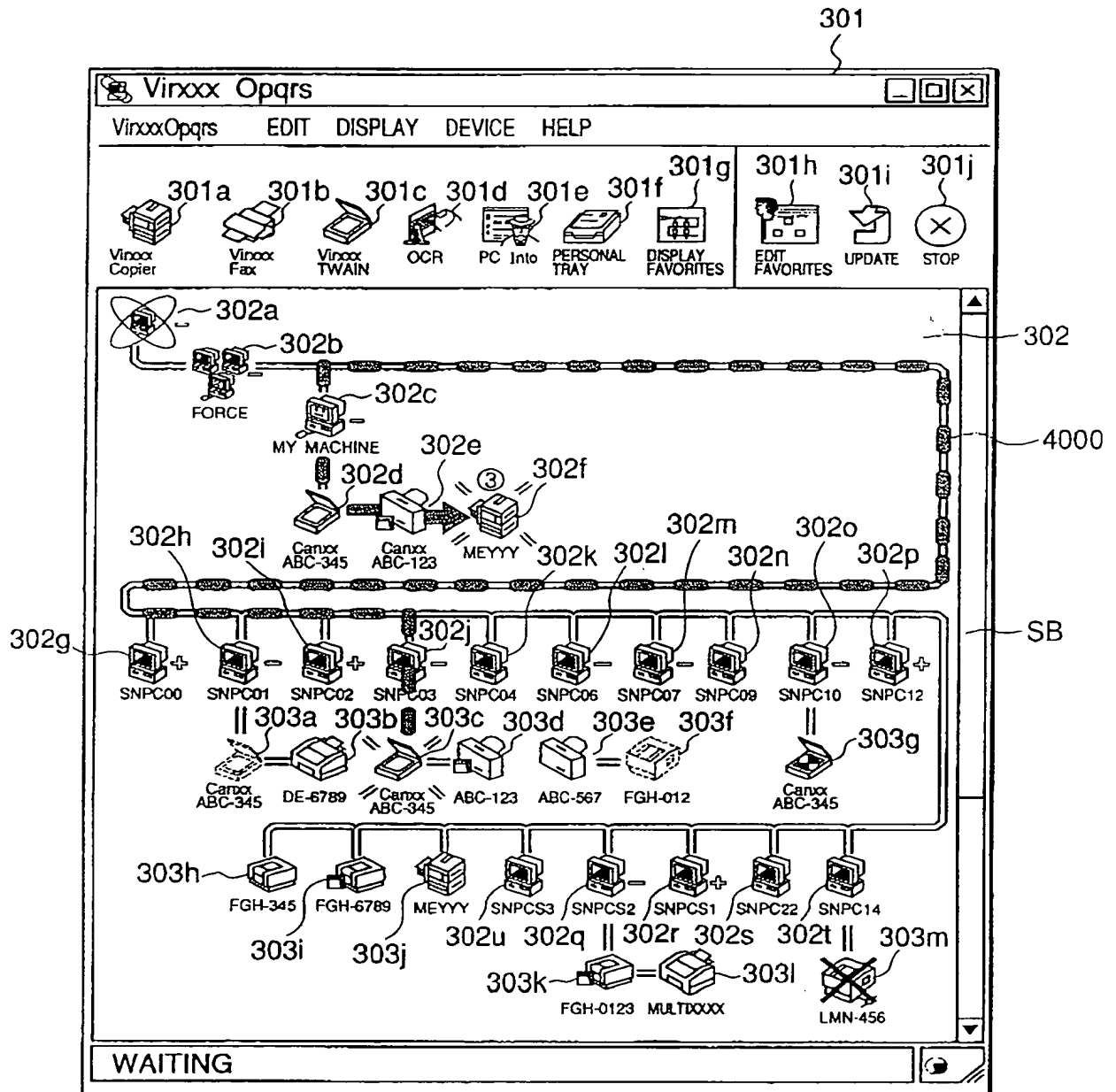


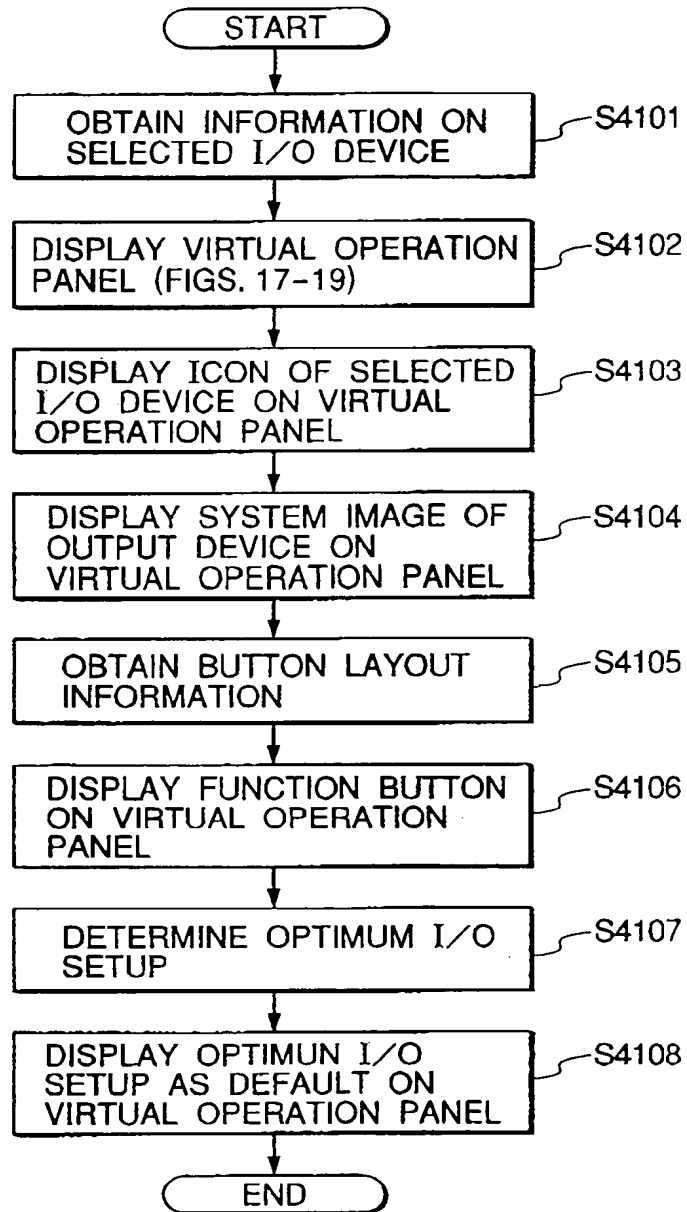
FIG. 41

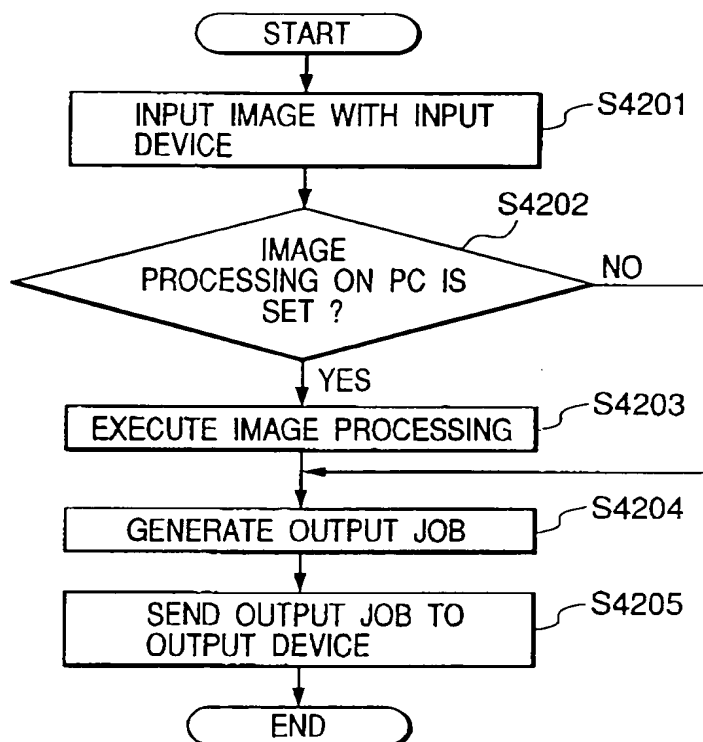
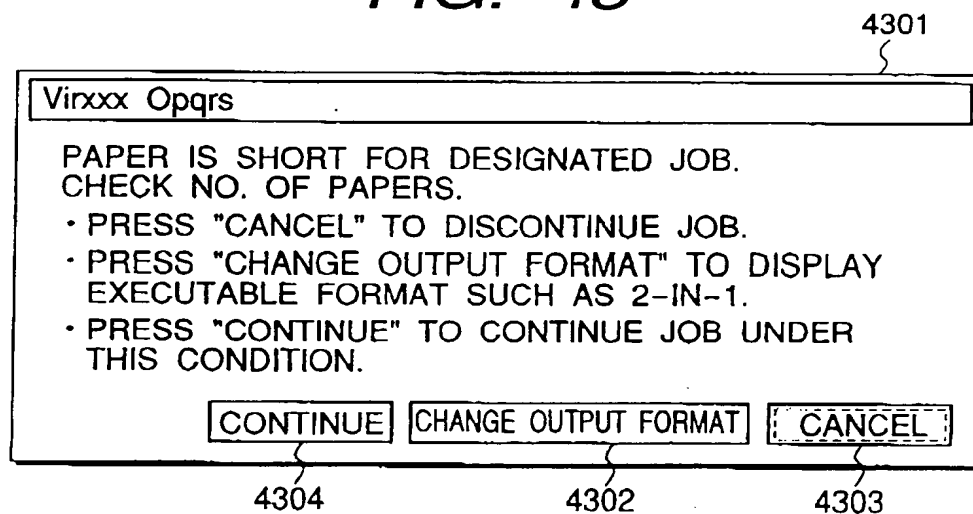
FIG. 42**FIG. 43**

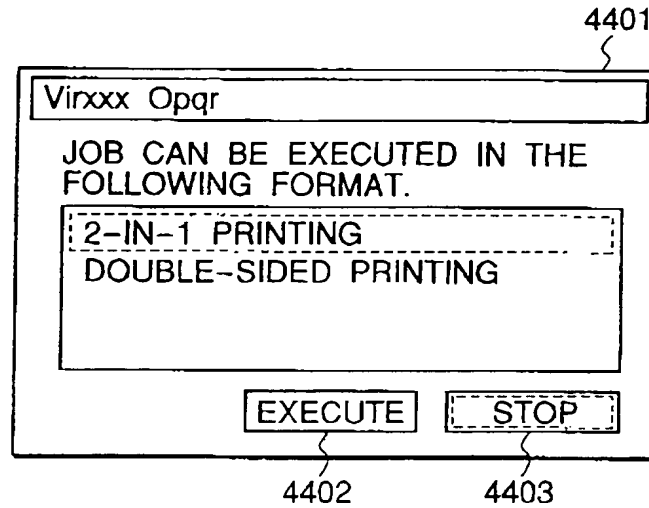
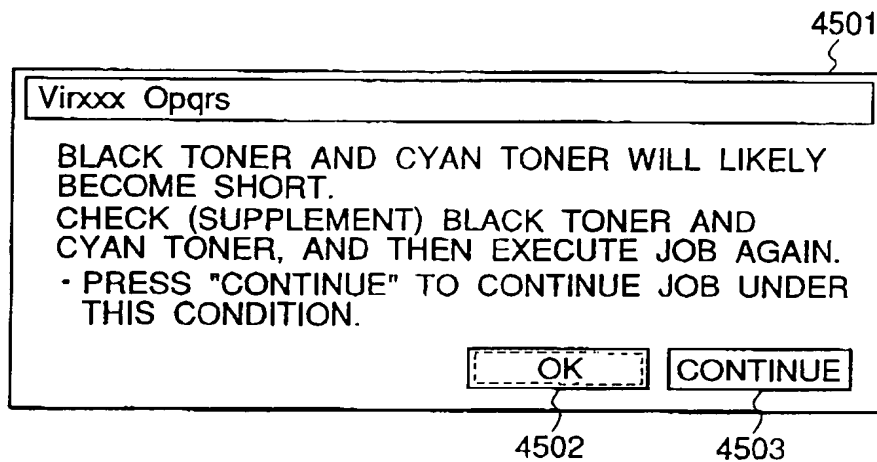
FIG. 44*FIG. 45*

FIG. 46

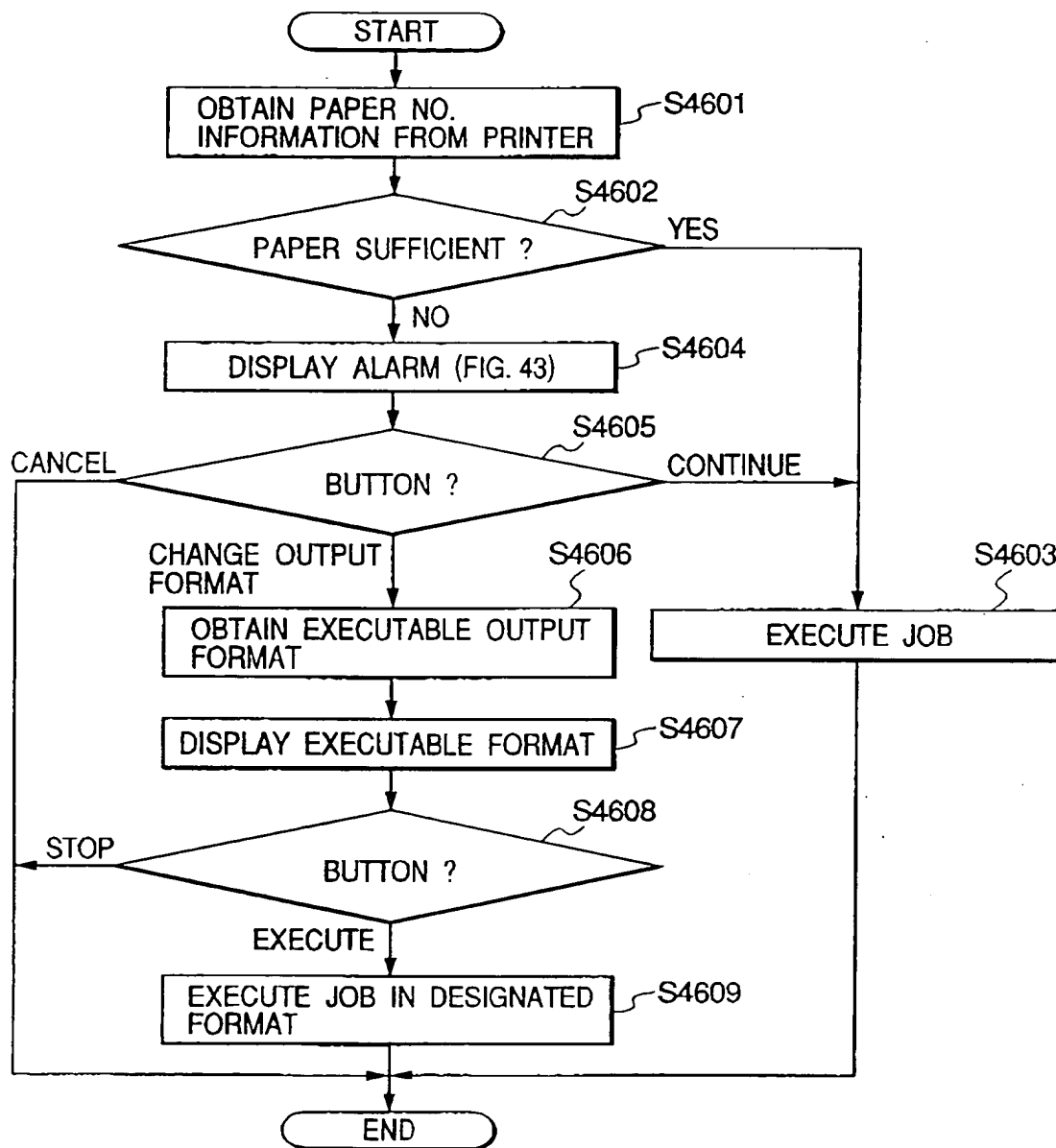


FIG. 47

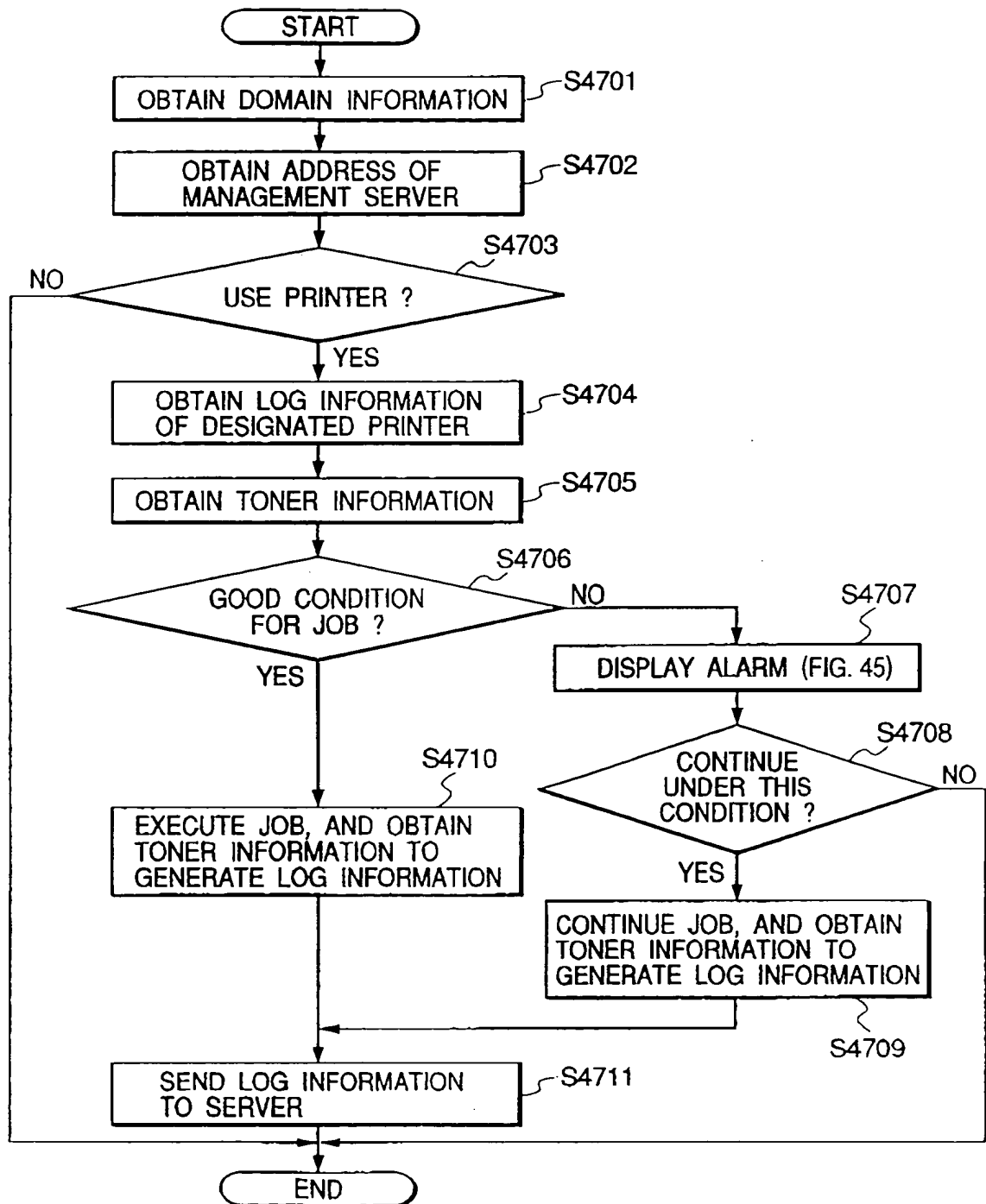


FIG. 48

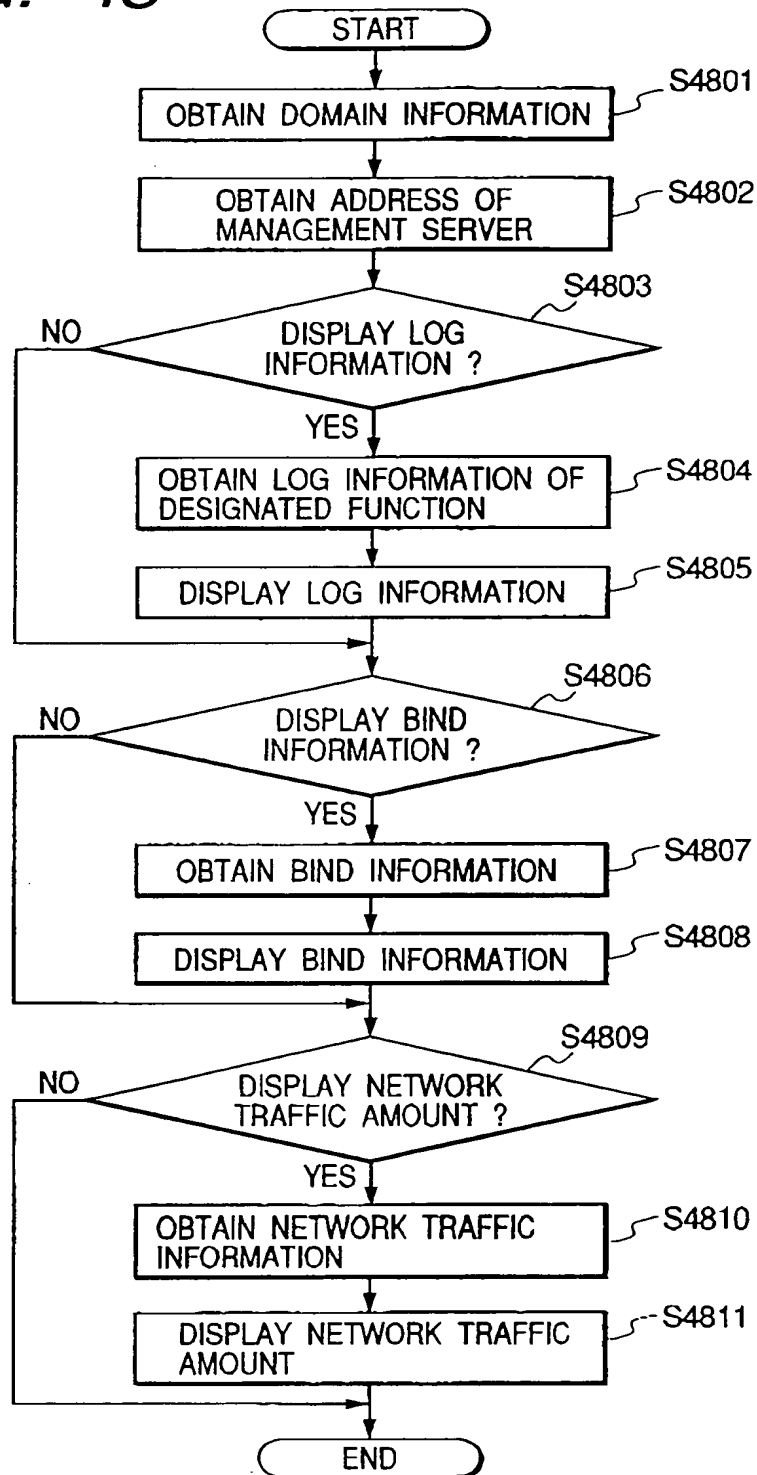


FIG. 49

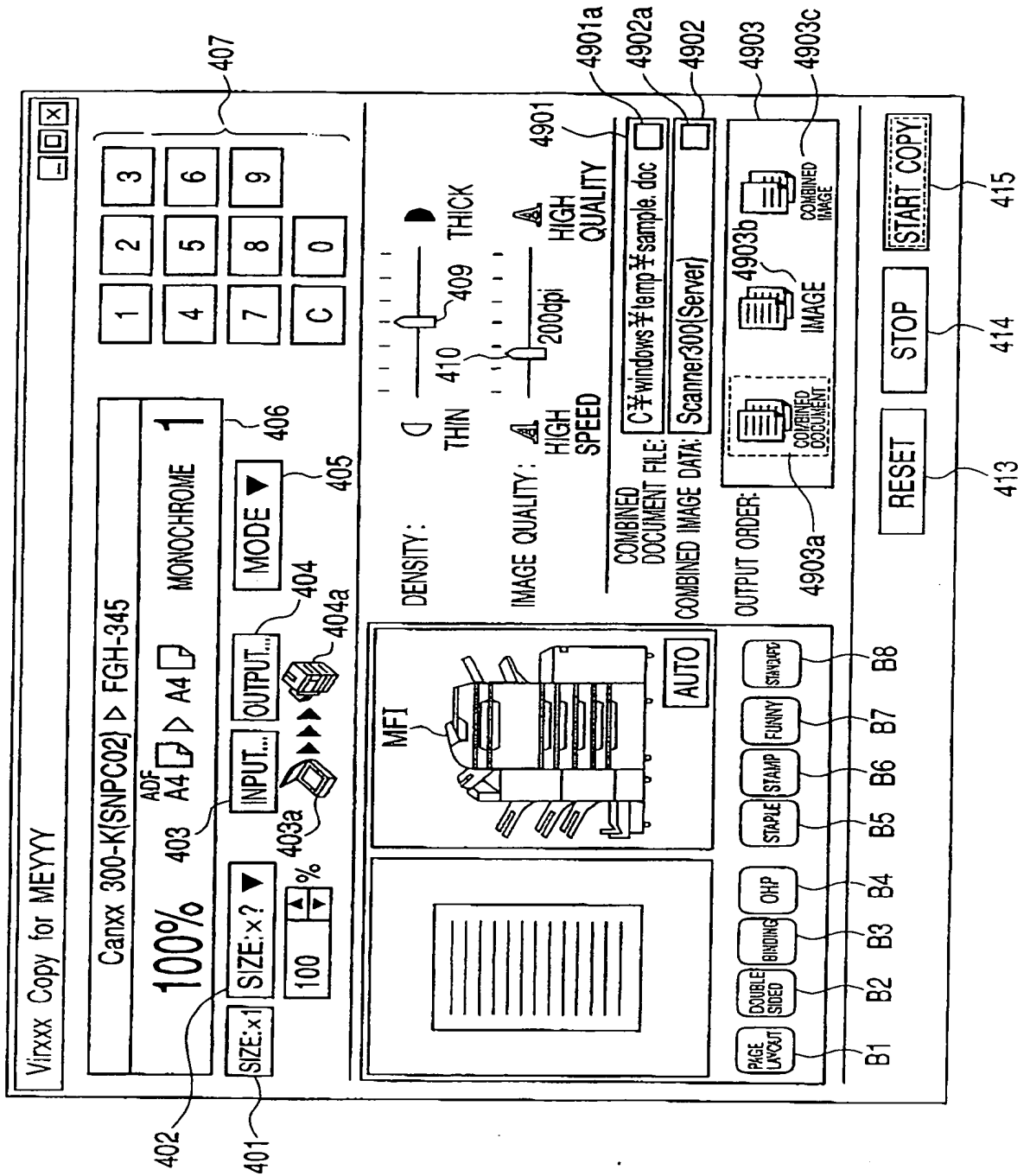


FIG. 50

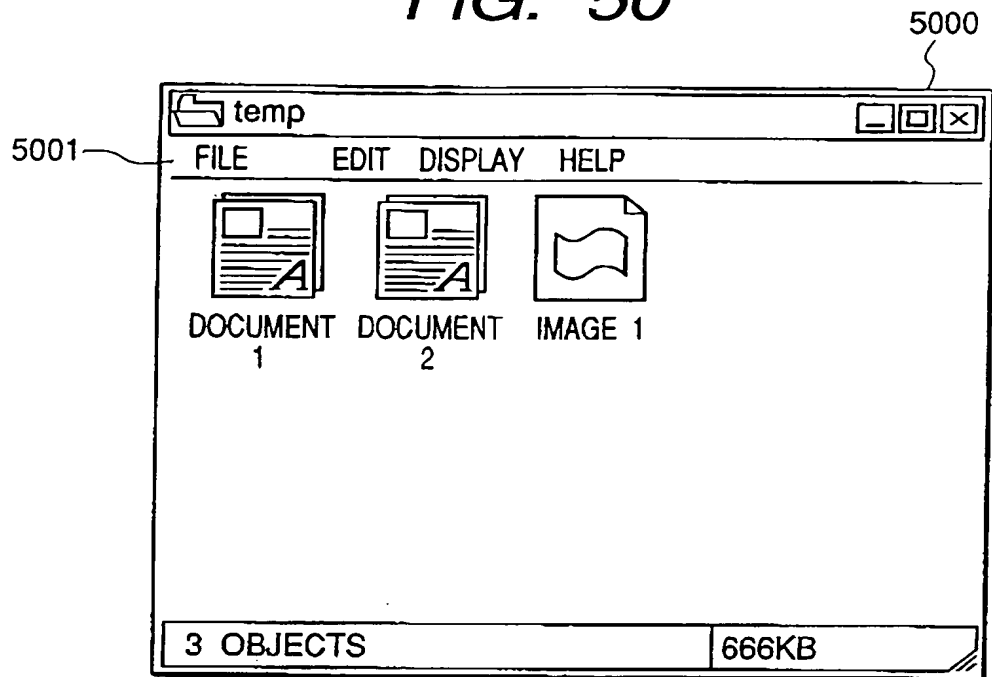


FIG. 51

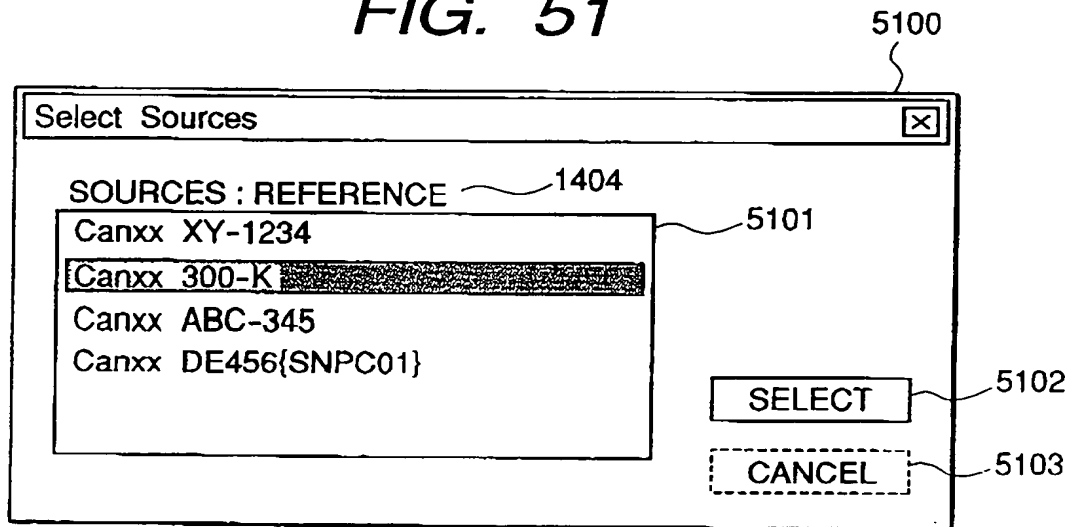


FIG. 52

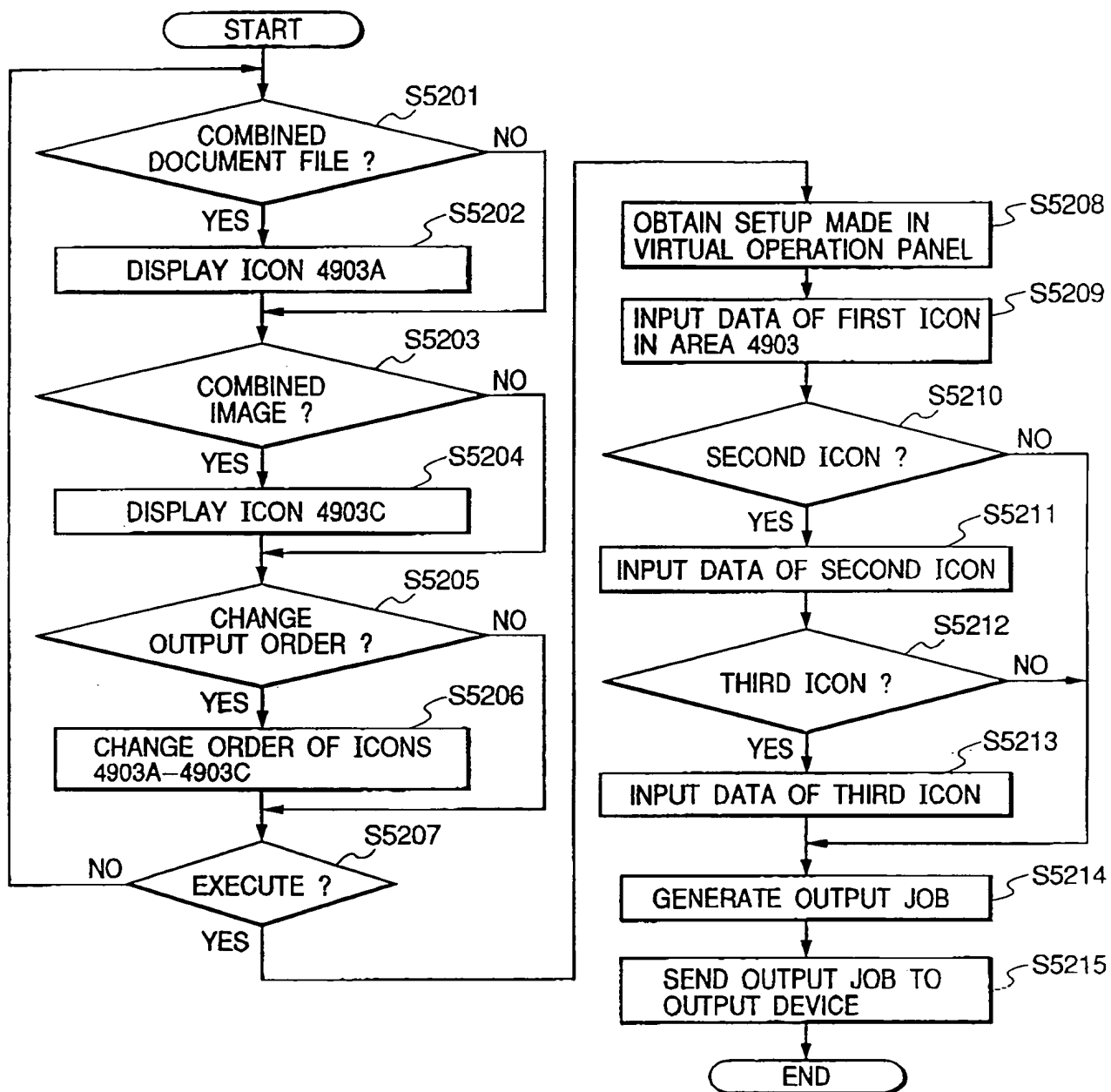


FIG. 53